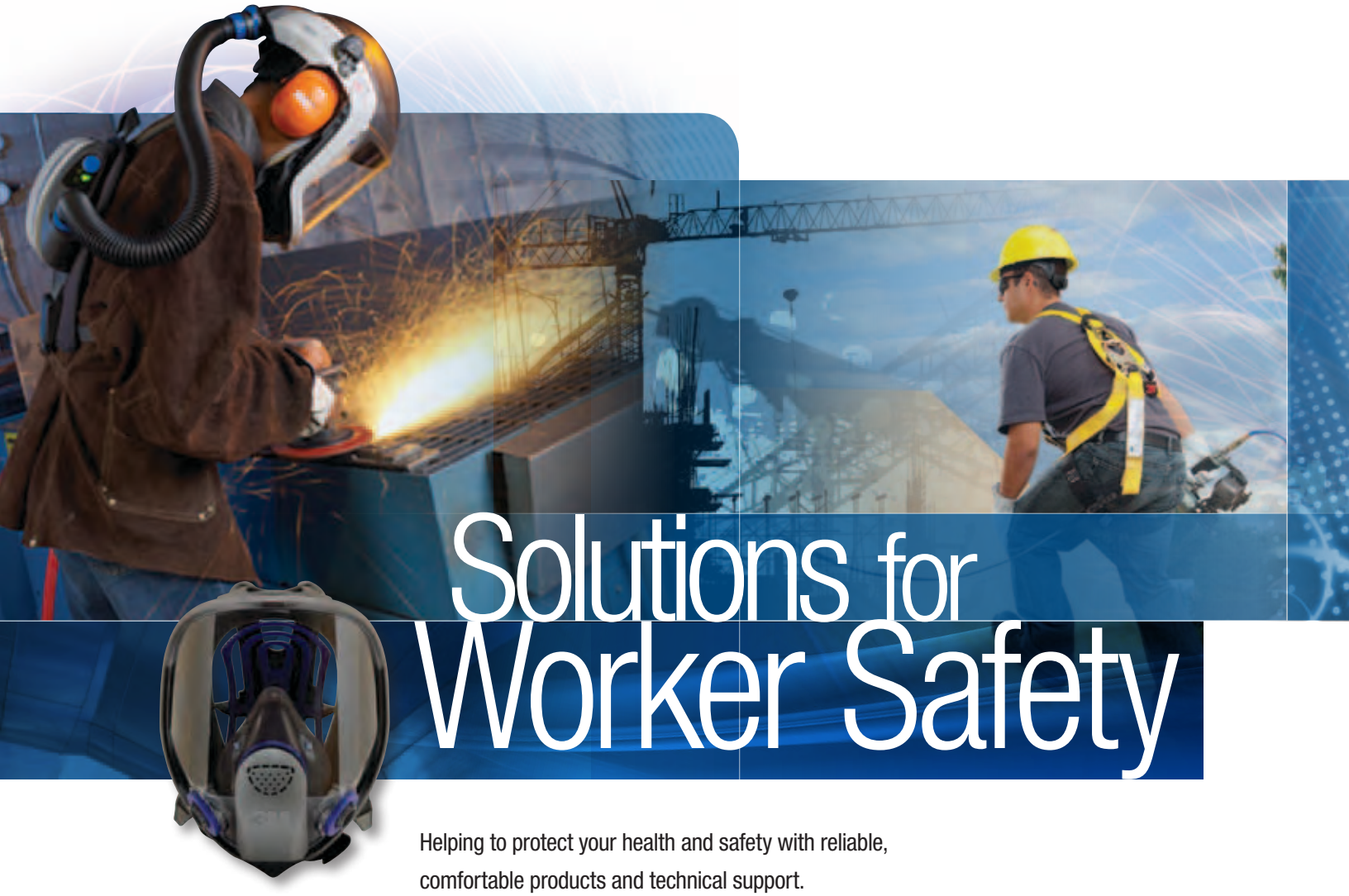
3M Occupational Health and Environmental Safety Division
Products and Services for Worker Safety



Solutions for Worker Safety

Helping to protect your health and safety with reliable, comfortable products and technical support.

NASCAR Officially Licensed

Respirators and hearing protection products are Officially Licensed Products of NASCAR®

3M

3M Job Solutions Work

We believe that health and safety is first and foremost about safeguarding worker welfare. A secure, safe working environment is paramount in any business. But we also believe that improving worker protection, comfort, durability and productivity is a more ambitious goal; one we firmly believe in.

At 3M, we don't take safety for granted. The health and welfare of your workforce depends on it. So, by working in association with skilled safety practitioners, partners and customers, our people are committed to ensuring that we help you create an environment that protects your workforce—effectively, efficiently and economically.

Better.

Products that help you become more efficient.

Faster.

Solutions that are easy to use.

Now that's Smarter.

Workplace Health & Safety Products

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Comfort and safety, right from the start.

For decades, 3M has been an innovator in worker health and safety. In 1972, we introduced the first NIOSH-approved disposable filtering facepiece respirator and launched the first disposable earplug.

40 years and thousands of patents later, 3M now offers an extensive family of Personal Protective Equipment (PPE). In addition to bringing new innovations to the market, we are constantly enhancing products with new technology and materials. 3M has remained at the forefront of worker safety.

Trust your PPE to a company that has the support and services you've needed for decades past and can rely on for years to come.

3M™ Protective Eyewear

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3M Products for Emergency Response

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Workplace Health & Safety Products

As a recognized leader in the field of safety and operations, 3M continues to be at the forefront of providing innovative products that meet or exceed applicable industry standards. These are products that address the real-world safety challenges that are found in virtually every industry.

3M™ Ergonomic Solutions and Office Products

- Display Mounting Solutions
- Computer Filters
- Keyboard Management Solutions
- Comfort Solutions
- Organization Solutions
- Office Environmental Solutions
- Recommended Workstation Positioning and Exercises

3M™ First Aid and Medical Products

- Nexcare™ Bandages
- Skin Care Products and First Aid Tapes
- Wound Care
- Cold and Hot Therapy
- Splinting Products
- Titralac™ Antacid
- Scotch® Prescription Label Tape
- Cavilon™ Products
- Avagard™ Hand Sanitizers
- Coban™ Self-Adherent Wrap
- Ace™ Brand Elastic Bandages
- Tempa Dot™ Thermometers
- Tegaderm™ Dressings
- Surgical Tapes and Closures
- Red Dot™ Electrodes
- Littmann™ Stethoscopes
- Futuro™ Ergonomic Support and Compression Products

3M™ Outdoor/Sports Products

- Ultrathon™ Insect Repellant

3M™ Traction and Matting Products

- Safety-Walk™ Tapes and Treads
- Safety-Walk™ Accessories
- Nomad™ Matting
- Safety-Walk™ Matting
- Floor Matting Edging and Matting Accessories
- Clean-Walk™ Mats

3M™ Reflective Films and Markings

- Conspicuity Markings
- Photoluminescent Films

3M™ Electrical Safety

- Personal Grounding and Safety (Wrist Straps)
- Personal Grounding and Safety (Sole and Heel Grounders)
- PanelSafe™ Lockout System

See your 3M Sales Representative for your copy of our safety related products catalog: Workplace Solutions and Operational Products.

Safety Products

3M™ Disposable Filtering Facepiece Respirators

Comfort, quality, reliability, confidence

Workers want respirators that are comfortable, lightweight and convenient. You want quality products from a supplier you can depend upon. 3M developed the first filtering facepiece respirator to receive NIOSH approval in 1972. We have created numerous proprietary technologies that have been incorporated throughout our products. Today, our extensive family of respirators offers a full range of comfort, convenience and value. Respiratory protection from a company you can rely on for support and services.

Features of 3M Filtering Facepiece Respirators

From foundries to wood working, workers in many industries require protection from airborne particles and mists. Sweeping, sanding, grinding, sawing, bagging, welding – each creates a unique set of conditions, especially given environmental considerations such as heat and humidity. 3M's wide selection of filtering facepiece respirators helps you match the respirator to your environment. 3M uses a variety of innovative technologies and features to help you meet your protection and comfort needs. They are all NIOSH 42 CFR 84 approved and include the following features:

- Lightweight and comfortable
- Adjustable noseclips
- Variety of strap types
- Variety of strap attachments
- Some available with carbon filter material for nuisance level relief[1]
- Soft inner materials
- Compatible with most eye and hearing protection

Important

All 3M Filtering Facepieces are NIOSH approved respirators. Before using, you must determine the following:

1. The types of contaminants for which the respirator is being selected and exposure time.
2. The concentration level of the contaminant(s). Do not use for particle concentrations that exceed 10 times the OSHA PEL or applicable occupational exposure limit, whichever is lower.
3. Whether the respirator can be properly fitted to the wearer's face. Do not use with beards, or other conditions that prevent a good seal between the face and the sealing surface of the respirator.
4. Before required use of filtering facepiece respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134 including medical evaluation, training, and fit testing.

[1]3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

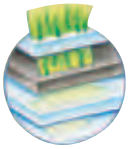
Featured Technologies

Cool Flow™ Exhalation Valve. Proprietary one-way valve for easy exhalation and cool comfort.

M-Noseclip. Proprietary noseclip adjusts easily for fewer pressure points and greater comfort.

Faceseal. Soft and secure, conforms closely to face for additional comfort.

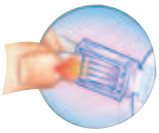
Advanced Electrostatic Media. Proprietary filter media with electrostatically charged microfibers designed for ease of breathing.



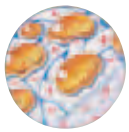
Carbon Filter Material. Carbon filter media provides relief against odors, vapors and other gaseous contaminants for greater wearer comfort. For nuisance level relief only.[1]

Cake-Resistant Filter Media. Proprietary filter media with specifically designed filter layers for welding applications provide longer respirator life and easier breathing.

Welding Web. Unique filter media incorporating protective layers designed to be flame resistant as demonstrated per ASTM D2859-96. (Not a substitute for a faceshield.)



Adjustable Buckle Straps. A single tug helps provide a comfortable seal.

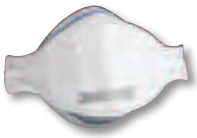


P-Series Filter. Proprietary advanced electrostatic media, appropriate for prolonged use in both oil and non-oil containing environments.

See 3M.com/PPESafety for more product selection.

Comfort – N95 Respirators*

Suggested Applications: Sweeping, sanding, grinding, sawing and bagging in a non-oil environment.



9210 (N95)
(37021)
UPC: 50051131370215

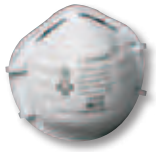
Features and Benefits

A breakthrough in comfort and convenience. This three-panel respirator with an innovative design helps provide comfortable, reliable worker protection against non-oil based particles. Individually packaged.

8210*Plus* (N95)
(07048)
UPC: 50051131529248

Features and Benefits

This model builds on all of the features that have made the 8210 one of the most widely used N95s in industry. The PLUS offers comfortable braided headbands and staple free attachment.



8200 (N95)
(07023)
UPC: 50051131070238

Features and Benefits

Designed to help provide reliable protection against certain non-oil based particles, the 8200 is a low priced N95 that features Advanced Electrostatic Media, adjustable noseclip and nose foam to help provide a custom and secure seal.

8210 (N95)
UPC: 50051138464573

Features and Benefits

Features Advanced Electrostatic Media (AEM), welded strap attachment, soft nose foam and adjustable noseclip to help provide a custom and secure seal.

8110S (N95)
UPC: 50051138543056

Features and Benefits

Designed for people with smaller faces, the 8110S helps provide worker protection against certain non-oil based particles. It is comfortable and easy to use which helps promote greater worker acceptance and increased wear time.

9105 & 9105S (N95)
9105 UPC:
50051131173977
9105S UPC:
50051131173946

Features and Benefits

The economical 3M™ VFlex™ particulate respirator is designed to help provide reliable worker respiratory protection against certain non-oil based particles. Proprietary V-shaped pleats help make breathing easier, expand to provide a comfortable seal and flex with mouth movement for easier talking. The tabs on the side are designed as handles for easy positioning of the respirator on your face to achieve a comfortable seal. This product is available in two sizes – to accommodate a broad range of faces.

*For full line of products, see page 69.

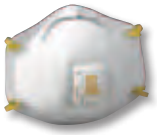
3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Disposable Filtering Facepiece Respirators

Comfort Plus – N95 Respirators*

Comfort Plus respirators all feature the proprietary 3M™ Cool Flow™ Exhalation Valve.

Suggested Applications: Grinding, bagging, sanding, sweeping, extended wear time, hot/humid conditions and other dusty operations.



8511 (N95) (07185)
UPC: 50051138543438

Features and Benefits

Designed to help provide protection against certain non-oil based particles, the 8511 is ideally suited for work settings that involve heat, humidity, or long periods of wear.

8211 (N95)
UPC: 50051131527503

Features and Benefits

This respirator offers all the great features of the 3M™ Particulate Respirator 8511, plus a comfortable foam faceseal. Is designed to help provide protection against certain non-oil based particles.

Additional Applications: Cement, lime, textile, buffing.

9211 (N95) (37022)
UPC: 50051131370222

Features and Benefits

This three-panel respirator with innovative design is ideally suited for work settings that involve heat, humidity, or long periods of wear. Individually packaged.

8210V (N95)
UPC: 50051131497110

Features and Benefits

Features Advanced Electrostatic Media (AEM), welded strap attachment, soft nose foam and adjustable noseclip to help provide a custom and secure seal.

*For full line of products, see page 69.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

See 3M.com/PPESafety for more product selection.

Comfort Plus – 100 Class Respirators*

Comfort Plus respirators all feature the proprietary 3M™ Cool Flow™ Exhalation Valve.

Ideal for certain OSHA substance specific contaminants including lead, MDA, arsenic, cadmium (excluding asbestos); additionally for welding and pharmaceutical manufacturing.

8293 (P100)
UPC: 50051138543360

Features and Benefits

For those who want NIOSH's highest rated filtration efficiency in a disposable respirator, the 8293 provides a minimum filter efficiency of 99.97% against oil base particles. Individually packaged.

8233 (N100)
UPC: 50011385415434

Features and Benefits

Is well suited for those who want NIOSH's highest rated filtration efficiency in a disposable respirator. It provides a minimum filter efficiency of 99.97% against non-oil based particles. Individually packaged.

Respiratory Protection Information

Particulate filter types

NIOSH approved filters are rated as N95, R95, P95, N99, N100, or P100. The number 95, 99, or 100 indicates the NIOSH percentage filtration efficiency.

N Series – Used in environments free of oil aerosols.

R Series – Resistant to oil mist. Use is restricted to one 8-hour work shift.

P Series – Oil resistant with use restrictions specified by manufacturer.

*For full line of products, see page 69.

3M™ Disposable Filtering Facepiece Respirators

Welding and Metal Pouring – N95 Respirators*

Welding respirators all feature the proprietary 3M™ Cool Flow™ Exhalation Valve.

Suggested Applications: Welding, torch cutting, brazing and soldering.

8214 (N95)
(07187)
UPC: 50051138661927

Features and Benefits

The 8214 is designed for applications such as welding, soldering and other operations where metal fumes may be present including those with ozone** and nuisance level organic vapors.***

Additional Applications: Metal pouring, working with stainless, galvanized, or aluminium.

8212 (N95)
UPC: 50051138541410

Features and Benefits

Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, a comfortable foam faceseal and fully adjustable straps.

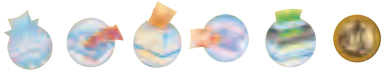
Additional Applications: Metal pouring.

8514 (N95)
UPC: 50051138662993

Features and Benefits

The 8514 is designed for applications such as welding, soldering and other operations where metal fumes are present including those with ozone** and nuisance level organic vapors.***

Additional Applications: Metal pouring, working with stainless, galvanized, or aluminium.



8512 (N95)
UPC: 50051138662986

Features and Benefits

Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, nose foam, and fully adjustable noseclip and straps.

Additional Applications: Metal pouring.

8515 (N95) (07189)
UPC: 50051131071891

Features and Benefits

An economical option for welders featuring the 3M™ Cool Flow™ Exhalation Valve, adjustable M-noseclip, and braided headband to help provide a custom and secure seal.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

*For full line of products, see page 69.

**3M recommended for ozone protection up to 10 times the OSHA PEL. Not NIOSH approved for ozone.

***3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

See 3M.com/PPESafety for more product selection.

Specialty Respirators – R95 Respirators*

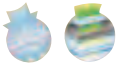
Suggested Applications: Grinding, bagging, sanding, sweeping in oil and non-oil environments and other dusty operations.

8247 (R95)
(07186)
UPC: 50051138543582

Features and Benefits

The 8247 is designed to help provide comfortable protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors**, such as solvents, degreasers, and resins.

Additional Applications: Foundry operations, lab settings, agriculture, petrochemical manufacturing and undercoating where particles and nuisance levels** of organic vapors may be present.

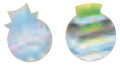


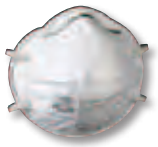
8246 (R95)
UPC: 50051138543575

Features and Benefits

The 8246 helps provide protection against certain oil and non-oil based particles including those present with nuisance levels of acid gases** such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

Additional Applications: Glass etching, chemical processing, paper processing, aluminum smelting and brewing operations where particles and nuisance levels of acid gases** may be present.





8240 (R95)
UPC: 50051138662979

Features and Benefits

The 8240 is designed to help provide protection against certain oil and non-oil based particles. It features a collapse resistant shell for increased durability in most hot, humid conditions.

Additional Applications: Grinding, sanding, sweeping, machining and other dust producing/oily operations.

*For full line of products, see page 69.

**3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

3M™ Disposable Filtering Facepiece Respirators

Specialty Respirators – P95 & N95 Respirators*

Features the proprietary 3M™ Cool Flow™ Exhalation Valve.

Suggested for extended wear time or hot/humid conditions.

8577 (P95)
UPC: 50051138543711

Features and Benefits

The 8577 is designed to help provide comfortable, reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors** such as solvents, degreasers and resins.

Additional Applications: Foundry operation, lab settings, agricultural, petrochemical, manufacturing.

8576 (P95)
UPC: 50051138543704

Features and Benefits

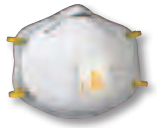
The 8576 is designed to help provide comfortable, reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of acid gases** such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

Additional Applications: Glass etching, chemical processing, paper processing, aluminum smelting and brewing operations.

8271 (P95)
UPC: 50051138542851

Features and Benefits

The 8271 combines P-series versatility with exceptional comfort. It is an excellent choice for those who have work environments that may contain oil aerosols.



8516 (N95)
UPC: 50051138663921

Features and Benefits

Designed for the aluminum industry, the 8516 helps provide protection against certain non-oil based particles including those present with nuisance levels of acid gases** such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

*For full line of products, see page 69.

**3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

See 3M.com/PPESafety for more product selection.

Product Ordering Information

Model	NIOSH Class	Qty/ Box	Boxes/ Case	Case Qty
Comfort				
9105	N95	50	8	400
9105S	N95	50	8	400
8110S	N95	20	8	160
8200	N95	20	8	160
8210	N95	20	8	160
8210*Plus*	N95	20	8	160
9210	N95	20	12	240

Model	NIOSH Class	Qty/ Box	Boxes/ Case	Case Qty
Comfort Plus				
8210V	N95	10	8	80
8211	N95	10	8	80
8511	N95	10	8	80
9211	N95	10	12	120
100 Class				
8233	N100	1	20	20
8293	P100	1	20	20

Model	NIOSH Class	Qty/ Box	Boxes/ Case	Case Qty
Specialty				
8240	R95	20	6	120
8246	R95	20	6	120
8247	R95	20	6	120
8271	P95	10	8	80
8516	N95	10	8	80
8576	P95	10	8	80
8577	P95	10	8	80
Welding				
8212	N95	10	8	80
8214	N95	10	8	80
8512	N95	10	8	80
8514	N95	10	8	80
8515	N95	10	8	80

3M™ Reusable Respirators

Comfort, Trust, Versatility

Hazardous substances are formed in many industries and applications. To help you provide the right product solution, 3M assists in identifying and assessing the risk in your working environment. 3M's reusable respirators can be used with a broad range of cartridges and filters that help reduce exposure to gases, vapors and particles.

For a variety of use conditions, Half and Full Facepieces by 3M offer comfort, convenience and durability.

The selection of respiratory protection equipment follows a basic 3M method:

- **Identify the Hazards – dusts, metal fumes, gases, vapors, etc.**
- **Assess the Risk – assess the hazard levels against safety standards and consider other protection – skin, eye and body**
- **Select the Right Respirator and Cartridge/Filter –** the 3M™ Respirator Selection Software and Respirator Selection Guide will help determine which respirator is suggested for a given exposure situation. It includes data on 800+ chemicals, including gases, vapors and particulates. Visit **3M.com/RespGuide** to utilize this software or to view a PDF of the Respirator Selection Guide.
- **Train in Fitting and Use – to optimize respiratory protection**
- **Develop cartridge/filter replacement plan –** The cartridge and filter replacement plan implements a process that helps employees replace their cartridges and filters at the appropriate time. To help establish how frequently cartridges should be replaced, visit 3M™ Service Life Software at **www3.3M.com/SLSWeb/home.html**. To establish filter replacement frequency, visit Understanding P-Series Particulate Filters at **3M.com/filterchange**. Contact your 3M Sales Representative if you have questions on the timing of cartridge or filter replacements.

Respirator and Filter/Cartridge Matrix

Possible combinations for 3M facepieces, cartridges, filters, retainers and adapters.

3M™ Half Facepiece Reusable Respirator 6000 Series

- 6000 Series
- 502
- 2000 Series, 2200 Series

3M™ Half Facepiece Reusable Respirator 7500 Series

- 60921, 60922, 60923, 60924, 60925, 60926, 60928, 60929

3M™ Full Facepiece Reusable Respirator 6000 Series

- 603
- 5000 Series
- 501

3M™ Full Facepiece Reusable Respirator 7800 Series

- 6000 Series
- 5000 Series
- 501

3M™ Ultimate FX Full Facepiece Reusable Respirator FF-400 Series

- 2000 Series, 2200 Series
- 7093, 7093C

3M™ Half Facepiece Disposable Respirator 5000 Series

- 6000 Series Cartridge
- 502
- 2297
- 6000 Series Cartridge
- 5N11, 5P71
- 501

Full Facepiece Respirators*

3M™ Ultimate FX Full Facepiece Reusable Respirator FF-400 Series

FF-401 (S) UPC: 50051135894182 (89418)
FF-402 (M) UPC: 50051135894212 (89421)
FF-403 (L) UPC: 50051135894243 (89424)

Features and Benefits

- Large lens featuring Scotchgard™ Protector
- Passive speaking diaphragm
- Bonded silicone gaskets
- Easy to use
- Durable, long-lasting head harness
- Comfort cradle
- Soft, silicone nose cup and faceseal
- 3M™ Cool Flow™ Exhalation Valve
- Available in three sizes
- Six adjustable straps help provide a secure fit
- May be used in air purifying respirator (APR) and supplied air modes

Other Full Facepiece Reusable Respirators

3M™ Full Facepiece Reusable Respirator 6000 Series

6700 (S) UPC: 50051138541458 (07138)
6800 (M) UPC: 50051138541465 (07139)
6900 (L) UPC: 50051138541595 (07140)

Features and Benefits

- Large lens provides wide field of vision and excellent visibility
- 3M™ Cool Flow™ Exhalation Valve
- Lightweight, well-balanced design with silicone faceseal for enhanced comfort and durability
- May be used in air purifying respirator (APR), supplied air and powered air purifying respirator (PAPR) modes
- Available in three sizes

3M™ Full Facepiece Reusable Respirator 7000 Series

7800S (S) UPC: 00051138542573
7800S (M) UPC: 00051138542580
7800S (L) UPC: 00051138542597

Features and Benefits

- Silicone facepiece enhances fit and improves durability
- Six adjustable straps help provide a secure fit
- Can be used with a passive or electronic clip-on welding lens
- May be used in air purifying respirator (APR), supplied air and powered air purifying respirator (PAPR) modes
- Available in three sizes

Typical Applications for 3M™ Full Facepiece Respirators

- Chemical manufacturing
- Manufacturing
- Oil & Gas
- Painting
- Abatement

*For full line of products, see page 71.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

For information on the full range of cartridges and filters, visit 3M.com/PPESafety.

3M™ Reusable Respirators

Half Facepiece Respirators*

3M™ Half Facepiece Reusable Respirator 7500 Series

7501 (S) UPC: 50051131370819 (37081)
7502 (M) UPC: 50051131370826 (37082)
7503 (L) UPC: 50051131370833 (37083)

Features and Benefits

- Soft feel silicone
- Adjustable head cradle
- Dual-mode head harness
- Unique exhalation valve cover
- 3M™ Cool Flow™ Exhalation Valve
- Available in three sizes

Typical Applications

- Sanding and grinding
- Painting Safety
- Remediation Safety
- Cement work
- Emergency Response
- Agriculture
- Manufacturing (ship building to steel mills)
- Chemical Manufacturing
- Oil & Gas

Other Half Facepiece Reusable Respirators

3M™ Half Facepiece Reusable Respirator 6000 Series

6100 (S) UPC: 50051131070245 (07024)
6200 (M) UPC: 50051131070252 (07025)
6300 (L) UPC: 50051131070269 (07026)

Features and Benefits

- Facepiece made from soft, lightweight material
- Available with a standard or drop-down head harness option
- Drop-down model allows wearer to lower the respirator without removing hard hat or faceshield
- Head harness assembly and spare parts are available
- Available in three sizes

3M™ Half Facepiece Disposable Respirator 5000 Series

51P71 (S) UPC: 50051138660685 (07191)
52P71 (M) UPC: 50051138660692 (07192)
53P71 (L) UPC: 50051138660708 (07193)

Features and Benefits

- Easy to use and convenient
- Pre-assembled with permanently attached cartridges; no maintenance necessary
- Facepiece made from soft, lightweight material
- Available in three sizes

Typical Applications

- Spray painting
- Intermittent respirator use
- Plant shutdowns and turnarounds
- Dirty applications where respirators wear out or become difficult to clean in a short time

*For full line of products, see pages 70 and 71.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

Cartridges and Filters*

All 3M™ Particulate Filters and Gas/Vapor Cartridges can be used interchangeably with 3M™ Reusable Respirators 6000, 7000 and FF-400 Series.

What types of 3M™ Filters and Cartridges are there?

3M™ Particulate Filters: Filters either non-oil or both non-oil and oil aerosols (e.g., dust, mists, fumes, smoke, mold, bacteria, etc). Some filters also have nuisance level gas and vapor capabilities. Nuisance level refers to exposure levels that are less than applicable exposure limits.

3M™ Gas and Vapor Cartridges: Filters only gases and vapors. There are different kinds of cartridges for different kinds of gases and vapors.

3M™ Combination Cartridge/Filters: Filters particles, gases and vapors. Different combination particulate/cartridge filters are used depending on the gas or vapor present in the air.

When do I replace my 3M™ Particulate Filters?

For guidance on filter replacement frequency, visit 3M.com/filterchange.

When do I replace 3M™ Gas & Vapor Cartridges?

To help establish how frequently cartridges should be replaced, visit www3.3M.com/SLSWeb/home.html to access 3M™ Service Life Software.

For information on the full range of cartridges and filters, visit 3M.com/PPESafety.

*For full line of products, see page 71.

Comfort

Trust

versatility

3M™ Powered and Supplied Air Respirators

3M™ Powered Air Purifying Respirators (PAPRs)

A powered air purifying respirator (PAPR) is a system that uses a fan to deliver filtered air into a variety of headgear and facepiece options. Many different PAPR configurations from 3M are available to fit a wide range of workplace and wearer comfort needs.

PAPR systems are available as face-mounted, helmet-mounted and belt-mounted configurations. Most systems will include a headpiece, breathing tube (if applicable), motor-blower unit, battery, filter and/or cartridge. Depending on the headgear chosen, certain PAPR systems can also provide head, eye and face protection.

3M™ Supplied Air Respirators

3M™ Supplied Air Respirators are designed to deliver clean air* to the worker. The air can be supplied from a high pressure compressor, low-pressure pumps, or cylinders (bottled air). 3M offers several products that can connect to a supplied air system including hoods, helmets, full facepieces, half facepieces and loose-fitting facepieces.

Supplied air respirators from 3M offer many features over traditional respirator protection such as:

- Heating or cooling valves
- Fit testing for tight-fitting facepieces only
- Lower maintenance

Supplied air systems are another avenue to help increase comfort and protection.

*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1998 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

3M™ Versaflo™ Powered Air Purifying Respirator

3M™ Versaflo™ Respirator Systems are a comfortable, comprehensive approach to worker protection. Each system has three easy-to-select modules – headgear, breathing tubes and air sources – that can be combined into dozens of system configurations. This allows Versaflo system users to experience maximum flexibility as they move from one environment to another, or from one application to the next.

3M™ Versaflo™ TR-300 Powered Air Purifying Respirator*

Assembly shown:
UPC: 00051131173552
Product #: TR-305N
3M ID: 70-0715-6350-9

Features and Benefits

Thin, light and small

- Improved comfort
- Ease of use in tight spaces

Easy to Use

- Simple, one-button operation
- Battery and airflow alarms

Reliable Protection

- Sophisticated electronics keep the factory-calibrated airflow at a nominal 190 LPM (6.7 CFM)

Intelligent Power

- Lightweight lithium ion battery quickly charges and has no memory effect or heavy metals
- Intelligent chargers help maintain the optimum battery performance

Straightforward Maintenance

- Battery and filter can be changed quickly and easily
- The belt and blower unit have smooth outer surfaces for easier cleaning

Designed for Optimal Usability

- Air inlet design helps make sitting possible without compromising airflow intake
- Filter cover window allows for easy identification of the installed filter
- LED lights on the battery indicate charge status on and off the charger
- Intuitive user interface – blue components represent user interface points

Typical Applications

- Grinding
- Powder handling
- Pulverizing
- Sawing
- Cutting
- Infection control

Other 3M™ Versaflo™ PAPR Compatible Products*

S-Series Hoods

Product #: S-103L-20 (shown)

Product #: S-403L-20 (shown)

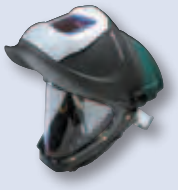
M-Series Headtops

Product #: M-105 (shown) (37314)

Product #: M-405 (shown)

L-SG Series

Product #: L-705SG (shown)



*For full line of products, see page 77.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Powered and Supplied Air Respirators

3M™ GVP-Series Belt-Mounted Powered Air Purifying Respirator

The 3M™ GVP-Series Belt-Mounted PAPR is a motorized blower unit worn at the waist, which delivers filtered air into a variety of headgear options. The GVP allows the wearer to choose from a wide selection of filters and cartridges that offer flexibility and freedom to work in a variety of industrial environments. These systems are compatible with many different styles of headgear ranging from lightweight hoods, bumpcaps, hard hats, helmets and full facepiece respirators.

3M™ GVP-Series PAPR*

Assembly shown:
UPC: 00051131527720
Product #: GVP-CB
3M ID: 70-0710-4291-8

Features and Benefits

- High levels of airflow
- Wide comfortable belt
- 2 battery options (NiMH and NiCD)
- All hoods and helmets are dual approved for use in SAR mode
- Intrinsically safe option available
- Inlet and outlet plugs to allow blower unit to be completely sealed for decontamination

Typical Applications

- Spray painting
- Powder painting
- Grinding
- Liquid, chemical handling
- Sweeping
- Cutting
- Mold remediation

Other 3M™ GVP-Series Belt-Mounted PAPR Compatible Products*

S-Series Hoods
Product #: S-757 (37301)
(shown)

M-Series Headtops
Product #: M-107
(shown)

Product #: M-405
(shown)

Product #: S-805-5
(shown)

Battery Options
Product #: BP-15
(shown)

Suspension
Product #: S-950
(shown)

Product #: BP-17IS
(shown)

*For full line of products, see page 76.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Air-Mate™ Belt-Mounted Powered Air Purifying Respirator

This all-in-one respirator assembly is an efficient, comfortable and economical powered air purifying respirator system that includes the air-filter unit, battery pack, high efficiency particulate filter, belt and airflow indicator.

3M™ Air-Mate™ PAPR*

Assembly shown:
UPC: 00051131987036
Product #: AMH-1U
3M ID: 70-0714-0371-4

Features and Benefits

- Lightweight
- Filter and battery are enclosed in single unit
- Up to eight hours of battery service per charge
- Choice of head cover (BE-12) or hood (BE-10)
- High efficiency particulate filter only
- Battery can be charged either within unit or using external charger

Typical Applications

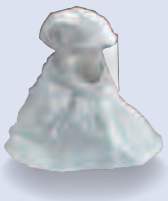
- Infection control
- Powder handling
- Pulverizing
- Sweeping
- Bagging

Other 3M™ Air-Mate™ Belt-Mounted PAPR Compatible Products*

BE-12 blue
Product #: BE-12B-3 (shown)

BE-12 white
Product #: BE-12-3 (shown)

BE-10
Product #: BE-10-3 (shown)



*For full line of products, see page 72.

3M™ Powered and Supplied Air Respirators

3M™ Breathe Easy™ Belt-Mounted Powered Air Purifying Respirator

3M™ Breathe Easy™ Powered Air Purifying Respirators (PAPRs) provide comfortable, efficient powered air protection. These systems are available in a wide range of headgear. They use interchangeable filters, cartridges and canisters to help protect the wearer against gases, vapors and/or particles.

3M™ Breathe Easy™ Belt-Mounted PAPR Assembly*

Assembly shown:
UPC: 00051138728373
Product #: 520-15-00
3M ID: 70-0708-8927-7

Features and Benefits

- Lightweight, comfortable and ideal for long periods of wear
- Battery options include rechargeable NiMH, NiCd or disposable lithium
- Canisters, cartridges and filters are available for a variety of contaminants
- Intrinsically safe options available

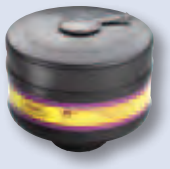
Typical Applications

- Spray painting
- Powder painting
- Grinding
- Liquid, chemical handling
- Sweeping
- Cutting
- Mold remediation
- Smelting operations

Other 3M™ Breathe Easy™ Belt-Mounted PAPR Compatible Products*

S-Series
Product #: S-657
(shown)

Product #: S-403S-20
(shown)



Cartridge Options
Product #: 456-03-01R06
(shown)

M-Series
Product #: M-107
(shown)

Product #: M-307
(shown)

Product #: M-407
(shown)

*For full line of products, see pages 73 and 74.

Lightweight and

3M™ Airstream™ Headgear-Mounted Powered Air Purifying Respirator

Helmet-mounted PAPRs provide all the features of belt-mounted powered air purifying respirators: increased wearer comfort, no fit test requirements, compatibility with glasses and may help increase wearer productivity without the need to wear a motorized blower unit at the waist. The following systems are ideally suited for mining, smelting, foundry and metal working.

3M™ Airstream™ Mining Headgear-Mounted PAPR System

Assembly shown:
UPC: 00051138765606
Product #: AS-600LBC
3M ID: 70-0708-4592-3

Features and Benefits

- Up to eight hours of battery life
- Intrinsically safe
- Lightweight and well-balanced
- High efficiency filter
- Hard hat approved
- Anti-fog/anti-scratch lens (miners model)
- Lamp attachment (miners model)

Typical Industries

- Mining operations
- Smelting operations
- Foundry operations
- Metal working operations

Other 3M™ Airstream™ Headgear-Mounted PAPR Products

AS-400LBC
Product #: AS-400LBC (shown)

Battery Pack (intrinsically safe)
Product #: 520-01-02R01 (shown)

easy to use.

3M™ Powered and Supplied Air Respirators

3M™ Powerflow™ Face-Mounted Powered Air Purifying Respirator

Face-mounted PAPRs provide increased airflow and wearer comfort that may help improve productivity. The product is ideally designed for abatement and remediation work. Approved for use with high efficiency particulate filter only.

This powered air purifying respirator helps provide respiratory protection against dust, mist, fumes, radionuclides and radon daughters. Lightweight and face-mounted, it uses a high efficiency particulate filter. Ideal for lead and asbestos, and other abatement applications.

3M™ Powerflow™ Face-Mounted PAPR*

Assembly shown:
UPC: 00051138767129
Product #: 6800PF
3M ID: 70-0708-9011-9

Features and Benefits

- Economically priced
- Compact design fits closely to the wearer
- Increased airflow and wearer comfort
- US OSHA APF 1000 when used in accordance with 3M recommendations and user instructions

Typical Applications

- Abatement
- Mold remediation
- Cutting
- Sweeping

*For full line of products, see page 80.

3M™ Versaflo™ V-Series Supplied Air Valves

The 3M™ Versaflo™ V-Series Supplied Air Valves, when used with approved supplied air line, breathing tube and headgear, can help regulate the flow and temperature of supplied air system.

3M™ Versaflo™ V-Series Supplied Air Valves*

Assembly shown:
UPC: 00051131370180
Product #: V-100 (37018)
3M ID: 70-0707-9901-3

Features and Benefits

- Allows worker to regulate air flow
- Allows workers to regulate supplied air temperature by as much as 50°F (28°C)
- Includes the cooling tube, waist belt and holder
- Compatible with multiple 3M™ Versaflo™ headgear options

Typical Applications

- Paint spraying
- Paint stripping
- Grinding
- Welding
- Liquid, chemical handling
- Powder coating

Other 3M™ Versaflo™ V-Series Supplied Air Valve Compatible Products*

Air Regulator Panel
Product #: 256-02-01
(shown)

Hoods
Product #: S-657
(shown)

Headgear
Product #: M-305
(shown)

Welding Helmets
Product #: L-705SG-F
(shown)

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

*For full line of products, see page 75.

3M™ Powered and Supplied Air Respirators

3M™ Versaflo™ M-Series Headgear

3M™ Versaflo™ M-Series Headgear offers dependable protection, exceptional comfort and ease of use. The headgear is lightweight, compact, and easy to maintain while helping to provide the wearer with protection from a range of hazards. Their versatility makes them suitable for many applications.

3M™ Versaflo™ M-Series Headgear*

Assembly shown:
M-105 UPC: 00051131373143
Product #: M-105 (37314)
3M ID: 70-0715-4492-1

M-105

M-170 UPC: 00051131373181
Product #: M-170 (37318)
3M ID: 70-0715-4497-0

M-170

Other 3M™ Versaflo™ M-Series Headgear*

M-300 Series Headtop
Product #: M-307 (shown)

M-400 Series Headtop
Product #: M-407 (shown)

Features and Benefits of 3M™ Versaflo™ M-Series Headgear

- Adjustable airflow for increased control and comfort
- Easily adjustable suspensions for individualized comfort
- Modern, well balanced comfortable design
- Easily removable parts allow for simple cleaning, maintenance, and replacement
- New visor design for good optical clarity
- Faceshield, hard hat, and respiratory helmets provide a wide range of solutions
- Faceseal or full shroud options provide OSHA APF of 25 and 1000 (depending on model)

For use with select 3M™ Powered Air Purifying and Supplied Air Respirator products.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

*For full line of products, see matrices beginning on page 73.

3M™ Versaflo™ S-Series Hoods and Headcovers

The new 3M™ Versaflo™ S-Series Hoods and Headcovers have been designed to provide users with the optimal level of comfort.

3M™ Versaflo™ S-Series Headtops*

Assembly shown:
UPC: 00051131170933
Product #: S-655
3M ID: 70-0715-3327-0

Features and Benefits of 3M™ Versaflo™ S-Series Hoods and Headcovers

- Multiple head suspensions help address personal comfort needs
- Exceptional airflow and reduced fogging
- Head/face cover or full shroud options provide OSHA APF of 25 and 1000 (depending on model)
- Quick Release Swivel breathing tube connection provides fast assembly and removal
- Reduced curvature visor provides exceptional field of view
- Cost effective

For use with select 3M™ Powered Air Purifying and Supplied Air Respirator products.

Other 3M™ Versaflo™ S-Series Hoods and Headcovers for Powered and Supplied Air Respirators*

S-100 Series Hoods
Product #: S-133LB-5 (shown)

Product #: S-133L-5 (shown)

S-600 Series Hoods
Product #: S-657 (shown)

Suspension
Product #: S-950 (shown)

*For full line of products, see matrices beginning on page 73.

3M™ Powered and Supplied Air Respirators

3M™ Hoods H-Series

3M™ Hoods H-Series are loose fitting headgear approved for use with certain 3M™ Powered Air Purifying and Supplied Air Respirator Systems. These respirator systems help provide respiratory protection against certain particulates, organic vapors, acid gases and other inorganic gases.

3M™ Hood H-Series*

Assembly shown:
UPC: 00051131070448
Product #: H-412
3M ID: 70-0707-9812-2

Features and Benefits of H-Series

- Wide-view faceshield
- Shoulder length or waist length shroud
- Hard hat suspension option
- Cap suspension option
- Available with inner knit collar or inner shroud

For use with select 3M™ Powered Air Purifying and Supplied Air Respirator products.

Other 3M™ Hoods H-Series*

H-400 Series Hood
Product #: H-421 (shown)

H-600 Series Hood
Product #: H-612 (shown)

Comfort
Simplicity
Versatility

*For full line of products, see page 75 and 76.

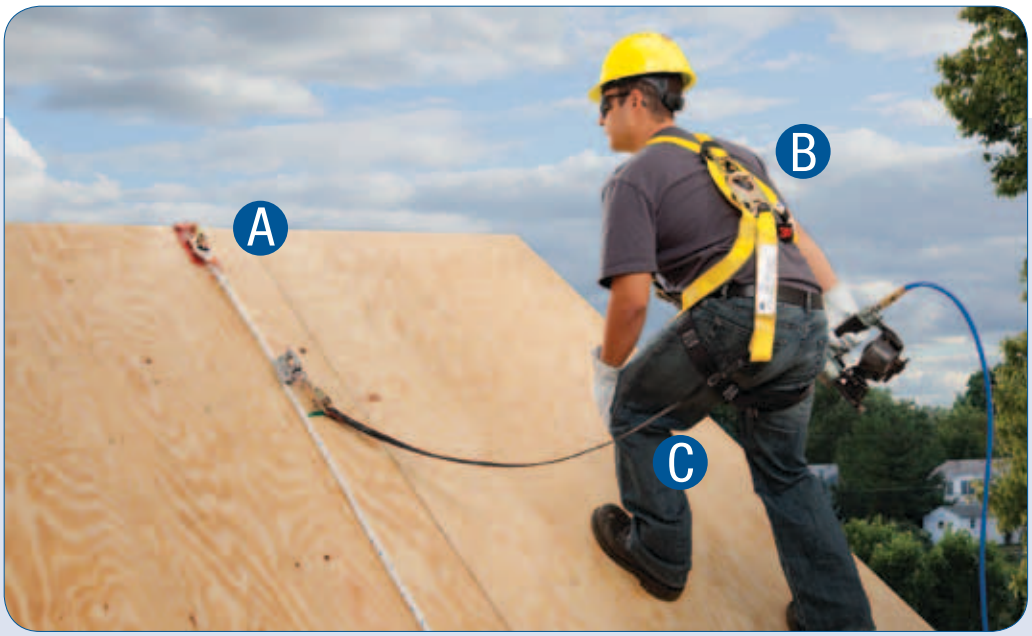
3M™ Fall Protection

The Height of Confidence

On average, twelve workers in the United States die per week due to falls while at work.* Ensuring the safety of your employees who work at height is a priority for you. At 3M, we understand. Our mission is to help protect your workers by providing fall arrest solutions you can trust. We offer a broad range of fall protection solutions available to suit your work environment. Ultimately, our goal is to help you take the stress and liability out of knowing whether or not your employees are out of harm's way.

3M.com/FallProtection

*Source: bls.gov/news.release/cfoi.nr0.htm



The ABCs of Fall Protection

Three components of a Personal Fall Arrest System must be in place and properly used to provide fall protection in the event of a fall.

A: Anchorage

An anchorage, as defined by OSHA 29 CFR 1926.502(d)(15) "shall be independent of any anchorage being used to support or suspend platforms and capable of supporting at least 5,000 pounds (22.2 kN) per employee attached, or shall be designed, installed, and used as follows: as part of a complete personal fall arrest system which maintains a safety factor of at least two; and under the supervision of a 'Qualified' person."

B: Body Support

Body support is the component of a personal fall protection system that is worn on or around the body. Per OSHA 29 CFR 1926.502 effective January 1, 1998, body belts are not acceptable as part of a personal fall arrest system. **Note:** The use of a body belt in a positioning device system is acceptable. Full body harnesses must be used for all fall arrest systems.

C: Connecting Devices

A connecting method is the link between the body support and anchorage. Connecting methods will vary depending on the application.

Rescue Plan

Users must have a rescue plan that provides the prompt rescue of employees in the event of a fall or assures that employees are able to rescue themselves.

Body Support/Harness

The SafeLight, Feather, Ameba, and Elavation™ harness families provide workers a range of harness offerings from entry level to premium to meet the needs of most work environments and budget requirements. Harness configurations for multi-purpose use, ladder climbing, work positioning and retrieval have been established for each primary harness family. A variety of hardware options are available, including quick connect buckles for chest and leg straps, grommet legs, pass thru buckles and additional D-rings. Featured below are some of 3M's best selling harnesses. For a full listing of harness offerings, visit 3M.com/FallProtection.

Elavation™ Harness, 75xx Series

Premium

7552Q (L-XL)

UPC: 10078371639409

Features and Benefits

- Advanced design features to help make fitting, adjusting and wearing this fall arrest harness easier and more comfortable
- A variety of hardware configurations available, including quick connect buckles, grommet leg straps and additional D-rings
- Premium padding is breathable and durable
- Tighter weave of the webbing is designed to help resist damage from abrasion
- Integrated web keepers and lanyard storage keepers hold excess material out of the way to reduce potential entanglement hazards

Typical Applications for Body Support/Harnesses

- Construction
- Industrial
- Telecom
- Mining
- Manufacturing

The products featured are some of our best sellers. For information on the full range of offerings, visit 3M.com/FallProtection.

Other Body Support/Harnesses

Ameba Harness, 14xx Series

Upper Mid-Range

1450 (Universal) UPC: 10078371635944

Features and Benefits

- Special non-elastic helical yarn webbing that is designed to flex with wearers for non-binding comfort
- Designed to maintain its shape and integrity over time, and most importantly, during a fall
- Soft mesh back pad helps wick moisture away from the body for cooler and more comfortable wear
- A variety of hardware configurations available, including standard pass thru chest connection (with the option of quick connect), grommet or pass thru leg straps and additional D-rings

Feather Harness, 10xx Series

Lower Mid-Range

1010 (Universal) UPC: 10078371631519

Features and Benefits

- A popular choice today thanks to its tangle free back D-ring assembly that is designed to lie flat on the user's back
- A variety of hardware configurations available, including standard pass thru chest connection (with the option of quick connect), grommet or pass thru leg straps and additional D-rings

SafeLight Harness, 109xx Series

Entry Level

10950 (Universal) UPC: 10078371000810

Features and Benefits

- Lightweight and economical fall arrest harness for general fall arrest applications
- A variety of hardware configurations available, including pass thru chest connection, grommet or pass thru leg straps and additional D-rings

See 3M.com/PPESafety for more product selection.

Body Support/Specialty Harnesses

Saturn Harness 1020 for welding
UPC: 10078371634510

Features and Benefits
- Specifically designed for welding applications to provide char resistance
- Specially designed fiber web resists char splatter up to 700°F
- Lightweight design helps improve worker comfort
- The back pad also helps promote tangle-free donning
- Use with the 3M™ Saturn lanyard for welding applications

Apache Harness 1710-XXXL
UPC: 10078371001886

Features and Benefits
- Designed for workers who are 310 – 400 lbs. (total working weight including clothing, tools, etc.)
- Use with 3M™ Apache Series lanyards, a 400 lb. rated lanyard

Wind Harness 1492-L
UPC: 10078371015364

Features and Benefits
- Designed for vertical ladder climbing
- Lighter weight configuration helps reduce worker fatigue
- Standard fixed front D-ring for approved connection point with vertical lifeline systems

Oil & Gas Harness, 10855 (L-XL)
UPC: 10078371011823

Features and Benefits
- Designed for fall arrest, confined space entry and egress, and ladder climbing applications
- Includes pass thru chest connection, grommet leg connection, front, back and shoulder D-Rings

Specialty Harness U1620
UPC: 100178371004320

Features and Benefits
- Manufactured with protective PVC sleeves covering the metal hardware
- Soft loop back D-ring

Vest Harness 1808 (L-XL)
UPC: 100178371001985

Features and Benefits
- Fall arrest harness with vest
- Pass thru chest connection buckles with grommet legs
- Bright color including 3M™ Scotchlite™ Reflective Material
- Includes back and side D-rings

D-ring Extender, 5550
UPC: 10078371000742

Features and Benefits
- Provides an 18" extension for a lanyard or self-retracting lanyard snaphook to be attached to back D-ring of harness
- Additional length helps make attaching the snap hook from the lanyard or self-retracting lanyard easier

Rescue Step, R-100
UPC: 10078371013148

Features and Benefits
- A rescue step to help relieve suspension trauma
- 70" overall length

Connecting Devices/Lanyards

Employee safeguarding is important to you. At 3M, we understand. Our retractable lanyard and energy absorbing lanyard families represent a broad range of connecting devices. Designed for durable performance, they are ideal for indoor or outdoor use, in light and heavy industrial environments. Dual leg options available in select models for 100% tie-off. For a full listing of self-retracting lanyard offerings, visit 3M.com/FallProtection.

Self-Retracting Lanyards

ReLoad™ Series, REC-23

UPC: 10078371011328

Features and Benefits

- Can be inspected and serviced onsite by authorized technicians for lower maintenance costs
- Clicking sound provides audible indication that pawls are functioning correctly
- ReLoad™ Series offers web and cable options:
  - Web: rated to 310 lbs. max. capacity and range from 7 ft. – 23 ft.
  - Cable: rated to 400 lbs. max. capacity and range from 23 ft. – 50 ft.; Available in galvanized or stainless steel

We offer models for a range of applications including:

- General purpose
- Scratch-sensitive surfaces
- Harsh environments

Other Self-Retracting Lanyards

RLD Series, RLD-30
Mid-Range – CABLE

UPC: 10078371003750

Features and Benefits

- Durable polymer housing
- Spring cushion cable guide helps reduce cable rewind damage
- Swivel top housing for enhanced mobility
- 310 lbs. max. capacity
- Cable units range from 10 ft. – 50 ft., available in galvanized steel

MS Series, MS-11
Mid-Range – WEB

UPC: 10078371007307

Features and Benefits

- Strong performing Dyneema® web retractable
- Aluminum housing offers durability and helps ensure the product is lightweight for the wearer
- 310 lbs. max. capacity
- Web units range from 7 ft. – 50 ft.

Connecting Devices/Lanyards

Energy Absorbing Lanyards

SafeLight Series

Entry Level

209512 UPC: 10078371001039

Features and Benefits

- The economical choice in fall arrest lanyards
- 310 lbs. rated
- 3,600 lbs. gate rated hardware
- Meets requirements of ANSI Z359.1-2007 standards
- Available in tubular or external shock pack designs
- Available in 3 ft., 4 ft. or 6 ft. lengths for single leg or dual leg applications. Dual leg allows for 100% tie-off
- Available with snap hooks or rebar hooks, allowing for a variety of attachment options

Other Energy-Absorbing Lanyards

SafeAbsorb Series

Mid-Range

3512 UPC: 10078371000346

Features and Benefits

- Versatile offering of lengths and hardware for general use
- 310 lbs. rated
- 3,600 lbs. gate rated hardware
- Meets requirements of latest ANSI Z359.13-2009 standards
- Includes an external shock pack
- Available with single leg or dual leg applications; dual leg allows for 100% tie-off

Expandable Series

Premium

4750/0241 UPC: 10078371002845

Features and Benefits

- Integrated shock absorption
- Stretch from 4 ft. – 6 ft. to help reduce trip hazards
- Available with snap hooks or rebar hooks, allowing for a variety of attachment options
- Meets requirements of latest ANSI Z359.1-2007 standards

The products featured are some of our best sellers. For information on the full range of offerings, visit 3M.com/FallProtection.

3M™ Fall Protection

Anchorage Devices

3M™ Fall Protection Anchorage Devices are designed for use with lanyards, retractable lifelines, vertical lifelines and horizontal lifeline systems. They are built for durability and are ANSI compliant. We have temporary and/or permanent anchorage solutions for steel, metal, concrete and wood applications. All anchors represented below have a 5,000 lb. rating.

BeamWalk Sliding Beam Anchor, 4650-3
UPC: 10078371627161

Features and Benefits

- Lightweight aluminum construction
- Dual axis swivel D-ring helps prevent entanglement
- Beveled sliders allow smooth movement along the I and H beams moving with the worker
- Adjusts from both sides for easier installation

Reusable Roof Anchor, 4000
UPC: 10078371000506

Features and Benefits

- Hinged steel design for wood and metal decking
- Fits most pitch angles
- Appropriate for 3M™ Flexible Horizontal Lifeline Systems
- Easy install and removal

SafeClaw™ Reusable Concrete Anchor, 4075
UPC: 10078371010710

Features and Benefits

- Trigger mechanism allows unit to be easily inserted and removed from pre-drilled poured concrete
- Available in 5,000 lbs. Concrete must have a compressive strength of at least 3,000 PSI; 4077 SafeClaw™ is rated for 10,000 lbs.
- Provides wide range of movement – may be pulled in all directions up to 90°
- 3/4" x 3" drill hole dimensions
- Used in temporary and permanent applications

Cross Arm Strap, 4550
UPC: 10078371000636

Features and Benefits

- Designed to wrap around structures, forming a secure anchor point
- Convenient and ideally suited for quick and easy installments
- 6 ft. length
- 2 inch webbing
- Also available in 3 ft. length and with heavy duty wear pad

The products featured are some of our best sellers. For information on the full range of offerings, visit 3M.com/FallProtection.

Kits, Lifelines and Confined Space

Roofing Kit, 20058
UPC: 10078371000865

Features and Benefits

- A complete personal fall arrest system in a bucket
- The kit is designed to help meet compliance with the new OSHA residential roofing directive
- Includes a 10910 SafeLight 5 point adjustment harness, 209512 6 ft. SafeLight Lanyard, 4000 Reusable Roof Anchor, 0221-50RG 50 ft. Vertical Lifeline with attached manual Rope Adjuster
- Complies with OSHA 29 CFR 1910.66, 1926.502 regulations and meets the requirements of ANSI Z359.1-2007 standards

Aerial Kit, 30500
UPC: 10078371000889

Features and Benefits

- Designed for use with aerial lifts
- Includes a 10910 SafeLight Harness, a 209512 6 ft. SafeLight Lanyard and 3M tool bag
- Can be personalized with a customer logo

50 ft. Tripod System parts include:
Tripod 99-M10
UPC: 100178371002944
Retrieval unit 205G-50
UPC: 100178371002210
Mounting Bracket M10B-1
UPC: 100178371627727

Must order all three components for a complete system.

Features and Benefits

- Economical, easy to install solution for permit required confined space rescue and retrieval
- Lightweight, aluminum tripod is convenient to transport and provides versatility with easy adjustment
- Easy to install tripod mounting bracket and retrieval device allow fall protection and retrieval up to 50 ft., with the 50 ft. cable line and integrated retrieval system (75 ft. system also available)

Rope Lifeline, 0221-50
UPC: 10078371001206

Features and Benefits

- 50 ft. 5/8" Vertical Rope Lifeline with snap hook
- Rated for workers with a total weight capacity of up to 400 lbs.
- Lifeline assembly helps to provide user with a wide range of mobility for most roofing applications
- Meets ANSI Z359.1-07

The Height of Confidence

3M™ Hearing Conservation Products

Hearing Loss Impacts Health and Productivity

3M Brings You Education and Hearing Protection Products to Increase Compliance

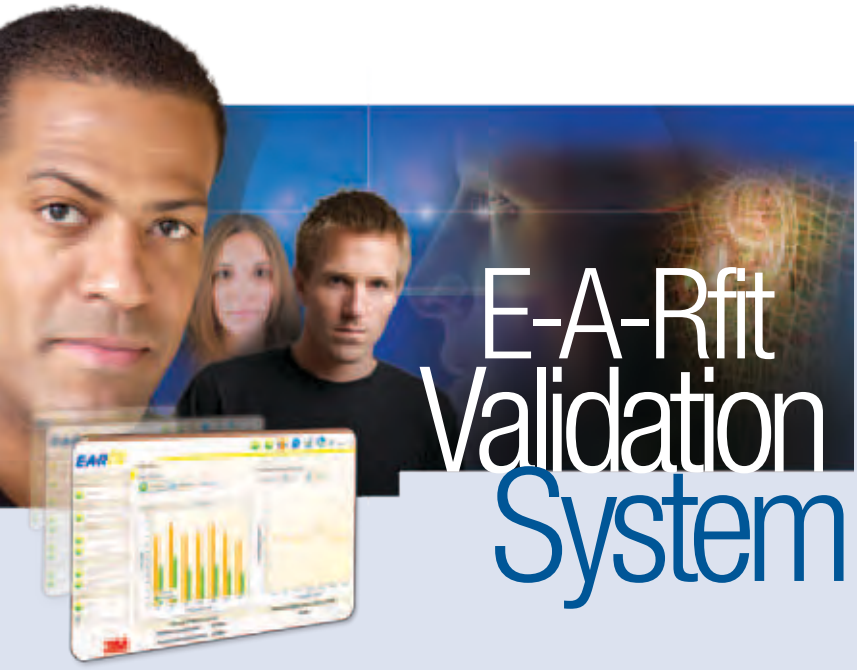
Hearing loss is the most commonly recorded occupational illness in manufacturing, accounting for one out of every nine recordable illnesses. Since 2004, the Bureau of Labor Statistics (BLS) has reported that nearly 125,000 workers have suffered significant, permanent hearing loss. In 2009 alone, BLS reported more than 21,000 hearing loss cases. (osha.gov/SLTC/noisehearingconservation/index.html)

This is a problem for both employers and their workers since many injuries require time away from work, impacting both employee health and productivity.

With ongoing employee education, properly fitted hearing protection and compliance with hearing protection regulations, the number of workers suffering hearing loss could be significantly reduced.

3M has been providing Hearing Protection Products for over 40 years that help reduce noise exposure by providing lightweight, comfortable and easy-to-use protection. When choosing hearing protection products, choose 3M, a respected and trusted leader in the safety products industry.

40 Years of Hearing Protection



Help protect workers from occupational hearing loss and feel confident that the level of hearing protection is appropriate to their work environment with the 3M™ E-A-Rfit™ Validation System. This system assists employers to optimize earplug selection, fitting and training. In less than 10 seconds per ear, the system generates a personal attenuation rating (PAR) that indicates a worker's noise reduction levels for a given fitting and hearing protector. Compare ratings across hearing protectors and fittings to determine the proper fit.

This in-the-ear testing procedure differs from many other systems by providing quantitative data that does not rely on subject response. Fit, train, and motivate every worker using their Personal Attenuation Rating (PAR). It's fast, objective and quantitative. Learn more at E-A-Rfit.com.

Foam Earplugs

3M™ E-A-R™ Classic™ Foam Earplugs†

Uncorded, Pillow Pack (NRR 29 dB)
UPC: 10080529100006
Product #: 310-1001

3M™ E-A-R™ Classic™ uncorded earplugs set the standard in hearing protection as the world's first foam earplugs. Constructed from slow-recovery foam, the disposable earplug is an economical, reliable choice in hearing protection.

Features and Benefits

- Conforms to the shape of the ear canal to help create a comfortable, snug noise barrier
- Slow-recovery earplug foam is flame-resistant and moisture-resistant
- Test compatible with 3M™ E-A-Rfit™ Validation System

Other 3M™ Foam Earplugs

E-A-R™ Classic™ SuperFit™ 33†
UPC: 10080529100617
Product #: 310-1008

Features and Benefits

- Orange ring provides a quick visual compliance check
- Uncorded, Pillow Pack (NRR 33 dB)

E-A-Rsoft™ Yellow Neons™†
UPC: 10080529120639
Product #: 312-1250

Features and Benefits

- Excellent noise reduction and comfort
- Easy to roll down and insert
- Uncorded, Poly Bag (NRR 33 dB)

E-A-Rsoft™ SuperFit™†
UPC: 10080529120837
Product #: 312-1256

Features and Benefits

- Slow recovery foam provides a comfortable, secure fit
- Uncorded, Poly Bag (NRR 33 dB)

E-A-Rsoft™ FX™†
UPC: 10080529120868
Product #: 312-1261

Features and Benefits

- Bell shape allows easy insertion and removal
- Uncorded, Poly Bag (NRR 33 dB)

Nitro™
UPC: 10093045980120
Product #: P1000

Features and Benefits

- Tapered foam design for all day wear with great protection
- Corded (NRR 32 dB)

1100
UPC: 50051138290080
Product #: 1100

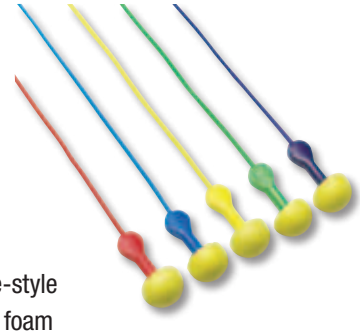
Features and Benefits

- Soft hypo allergenic foam, tapered design
- Uncorded, Poly Bag (NRR 29 dB)

†Test compatible with 3M™ E-A-Rfit™ Validation System

3M™ Hearing Conservation Products

Push-to-Fit Earplugs



3M™ E-A-R™ Express™ Pod Plugs™†

Corded, Pillow Pack, Assorted Grips
UPC: 10080529110111
Product #: 311-1115

Reduce noise with comfort and style

Advanced "no-roll" corded foam earplugs with paddle-style grips make getting a good fit easier than ever. Unique foam formula allows earplug insertion without rolling to keep fingers, plugs and ears clean. Slow recovery foam inserts easily, then seats and stays in place for comfortable hearing protection.

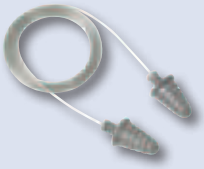
Features and Benefits

- Comfort and protection in hygienic, no roll-down designs
- Paddle-style grips provide quick, clean, and consistent earplug fitting

Other 3M™ Push-to-Fit Earplugs

Pistonz™
UPC: 10093045934024
Product #: P1401

Features and Benefits
- Corded (NRR 29 dB)



Skull Screws™
UPC: 10093045929525
Product #: P1301

Features and Benefits
- Corded (NRR 30 dB)

E-A-R™ Push-Ins™†
UPC: 10080529180039
Product #: 318-1003

Features and Benefits
- Corded
- Metal Detectable Version Available (NRR 28 dB)

Reusable Earplugs

3M™ E-A-R™ UltraFit™†

Corded, Poly Bag (NRR 25 dB)
UPC: 10080529400038
Product #: 340-4004

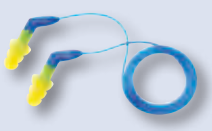
Features and Benefits

These durable, reusable corded earplugs are easy to use again and again, reducing waste

- Proprietary, premolded, triple-flange earplug design inserts easily and fits comfortably in most ears
- No rolling or sizing needed to get a comfortable, protective fit
- Available with pocket-size plastic storage case

†Test compatible with 3M™ E-A-Rfit™ Validation System

Other 3M™ Reusable Earplugs



E-A-R™ UltraFit™ 27
UPC: 10080529400557
Product #: 340-8002

Features and Benefits
- Corded (NRR 27 dB)

Tri-Flange™
UPC: 10093045980175
Product #: P3001

Features and Benefits
- Cloth Cord (NRR 26 dB)

E-A-R™ ARC Plug™
UPC: 10080529700121
Product #: 370-2000

Features and Benefits
- Uncorded, Carrying Case (Red end – NRR 22 dB, Yellow end – level dependant)
- Hear-Through™ design allow workers to hear conversations, signals, or other critical sounds clearly, while helping protect against impulse noise from an arc flash

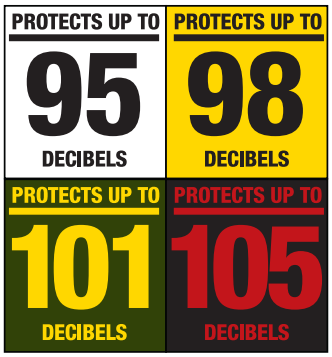
Insert yellow end for Hear-Through™ and instant protection

Washable and reusable

Red end for protection against constant hazardous noise

Earmuffs

Match the Optime™ Earmuff product or model number to the worker's TWA noise exposure



Example: If a worker's noise exposure is 98 dBA or less, recommend Optime 98

3M™ Peltor™ Optime™ 105

UPC: 10093045081018
Product #: H10A

Features and Benefits

Features double-shell technology for effective hearing protection in demanding noise environments

- For noise levels up to 105 dBA
- Liquid/foam filled earmuff cushions
- Highest NRR available in over-the-head style earmuffs (NRR 30 dB)

Other 3M™ Earmuffs

Peltor™ Optime™ 95

UPC: 10093045080639
Product #: H6F/V

Features and Benefits

- Over-the-Head, Folding (NRR 21 dB)

Peltor™ Optime™ 98

UPC: 10093045080912
Product #: H9A

Features and Benefits

- Over-the-Head (NRR 25 dB)

Peltor™ Optime™ 101

UPC: 10093045080738
Product #: H7P3E

Features and Benefits

- Helmet Attached (NRR 24 dB)

Dispensers

E-A-R™ One Touch™ Dispenser and Refill Bottles

UPC: 10080529910001
Product #: 391-1000

Features and Benefits

- Dispenser Unit with Stand

Classic™ Refill Bottle (NRR 29 dB)

UPC: 10080529910018
Product #: 391-1001

Classic™ SuperFit™ 30 Refill Bottle (NRR 30 dB)

UPC: 10080529910025
Product #: 391-1002

Yellow Neons™ Refill Bottle (NRR 33 dB)

UPC: 10080529910049
Product #: 391-1004

Large Yellow Neons™ Refill Bottle (NRR 33 dB)

UPC: 10080529910056
Product #: 391-1005

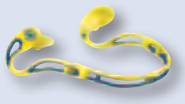
Yellow Neon Blasts™ Refill Bottle (NRR 33 dB)

UPC: 10080529910124
Product #: 391-1010

E-A-Rsoft™ SuperFit™ Refill Bottle (NRR 33 dB)

UPC: 10080529910100
Product #: 391-1254

Banded Hearing Protectors



E-A-R™ Swerve™

UPC: 10080529220049
Product #: 322-2000

Features and Benefits

- Flex 28 Tips (NRR 28 dB), Comfort Pods (NRR 19 dB), Cord Included

3M™ Hearing Conservation Products

Two-Way Radio Headsets and Accessories

3M™ Peltor™ BRS – UHF Two-Way Headset Radio

PowerCom Headband Model (NRR 25 dB)
UPC: 07318640048096
Product #: MT53H7A4604

Communication simplicity, all-in-one productivity

Improve employee safety and productivity in noisy environments with the PowerCom BRS two-way headset radio featuring an all-in-one design that simplifies communications between workgroup members. It's an efficient alternative to conventional portable radios.

Features and Benefits

- Convenient, cable-free operation
- Eight pre-programmed FCC compliant channels
- Push-To-Talk (PTT) or hands-free Voice-Activated (VOX) transmit functions
- Designed for use in construction, manufacturing, equipment maintenance, crane operation and many other noisy environments

Other 3M™ Peltor™ High Noise Communication System Products

PowerCom BRS Neckband Model (NRR 25 dB)
UPC: 07318640048102
Product #: MT53H7B4604

PowerCom BRS Hard Hat Mount Model (NRR 24 dB)
UPC: 07318640048119
Product #: MT53H7P3E4604

Rechargeable Battery Pack
UPC: 10093045880093
Product #: 88009-00000

Features and Benefits

- Wall transformer, battery pack

Request a No-Obligation 3M™ Peltor™ High Noise Communication Solution Trial

Learn how communication can be safer, easier and more productive in your work environment. With the Try, Then Buy program, you can evaluate a high noise communication solution before you make a purchase. Register online at 3M.com/Try-ThenBuy or call 800-665-2942 ext. 3 to learn more.

See 3M.com/PPESafety for more product selection.

3M™ Peltor™ MT Series™ Two-Way Headsets

An ideal choice for clear, crisp two-way communication in high-noise areas.
Designed for industrial users working in high noise environments, 3M™ Peltor™ communication headsets offer versatility along with hearing protection, durability and comfort.

- Soft foam earcushions
- Noise canceling boom microphone
- Deep earcup design for all day comfort
- In-line radio Push-To-Talk (PTT) adaptor sold separately*

MT7H79A
UPC: 10093045936844
(NRR 25 dB)

MT7H79B
UPC: 10093045936837

Features and Benefits
- Same as MT7H9A except with neckband configuration (NRR 24 dB)

MT7H79P3E
UPC: 10093045936813

Features and Benefits
- Same as MT7H79A except with Guide Arms for Hard Hat Mounting

Adaptable to communication radios

MT Series Two-Way Headset + FL5000 Series PTT adapter* + Comms Radio

3M™ Peltor™ ORA TAC In-Ear Tactical Communications Headset

Hearing protection with ambient listening is now more comfortable
This system offers a combination of lightweight hearing protection, ambient (tactical) listening, and the ability to communicate via two-way radios in high noise areas, without the need for a boom microphone.

Features and Benefits
- Omni-directional reception
- No earcups reduce weight and heat
- Fits with most respirators, eyewear, face masks, helmets and hard hats
- Quick radio connect/disconnect*
- Moisture-resistant, Push-To-Talk (PTT)
- Automatic protection against impact noise

ORA-BASE
UPC: 10093045935427

*Contact Technical Customer Service at 800-665-2942 for compatibility information.

3M™ Hearing Detection Products

Environmental and Occupational Assessment

3M™ The Edge Cable Free Noise Dosimeters

UPC: 00051131485297
Product #: eg5

The Edge eg5 personal noise dosimeter series offers advanced technology packaged in an intrinsically safe, cable-free, compact frame for a lighter, more ergonomic way to monitor noise levels.

Features and Benefits

- Thin, contoured mount hugs the shoulder; compact frame helps to make The Edge comfortable to wear
- Intrinsic safety certifications
- Rechargeable lithium polymer battery
- Kit includes eg5 model and standard accessories
- With DMS software, users can activate a third independent dosimeter

3M™ Sound Examiner SE-400 Sound Level Meter

UPC: 00051131498594
Product #: SE-402

The Sound Examiner SE-400 series of sound meters are engineered to accurately measure noise levels in highly variable environments. These advanced instruments compute the average sound pressure level (LEQ/LAVG) over the run time and feature user-selectable data logging intervals, helping you to more accurately assess occupational and environmental noise levels.

Features and Benefits

- Complies with IEC and ANSI standards
- All models ship ready-to-use, no setup necessary
- Use 3M™ Detection Management Software DMS for the analysis, management and measurement of data

Other 3M™ Hearing Detection Products

3M™ Noise Indicator NI-100

UPC: 00051131174535
Product #: NI-100

Features and Benefits

- Alerts users to potentially dangerous noise levels
- LED light provides real-time noise detection, signaling when noise levels are above 85db
- Small size and lightweight, durable design

3M™ Sound Detector SD-200

UPC: 00051131496323
Product #: SD-200

Features and Benefits

- LED indicators that flash green, yellow and/or red when preset thresholds have been reached
- User friendly interface, easy to operate
- Includes Sound Detector Kit, USB Cable and Windscreen
- Rechargeable, lithium battery

3M™ Sound Pro™ Sound Level Meter

UPC: 00051131485747
Product #: SP-DL-2-1/1

Features and Benefits

- Easily document and analyze noise exposures
- Two virtual sound level meters to take full or third octave band real-time measurements while simultaneously measuring broadband sound
- Kit includes Class/Type 2 unit with 1/1 Octave RTA, QC-10 calibrator and standard accessories

3M™ Detection Solutions

Durable and Accurate

3M™ EVM-7 Environmental Monitor

UPC: 00051131486034
Product #: EVM-7/CO

The 3M™ EVM Series monitors both particulates and air quality in one compact instrument. This durable, easy to use model provides simultaneous worksite area monitoring of:

- Particulate mass concentrations (0.1-10 um)
- Select volatile organic compounds
- Temperature
- Relative humidity
- Carbon dioxide
- Select toxic gases
- Air velocity (with purchase of optional accessory)

From healthcare and manufacturing, to construction and military applications, the EVM Series provides a lower cost of ownership by combining three instruments into one. Its user-friendly interface, patented dial-in rotary impactor, and advanced reporting and analysis features make it a particulate and IAQ area monitoring instrument of choice for industrial hygienists and safety professionals worldwide.

3M™ Heat Stress Monitors

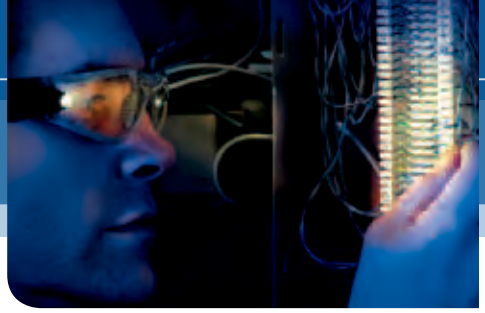
UPC: 00051131171350
Product #: QT34

Heat Stress prevention begins with the accurate measurement and analysis of heat stress in the workplace and performance training environments. 3M™ Heat Stress Monitors provide safety professionals with the durable, easy-to-use instrumentation needed to identify, measure, analyze and monitor heat stress related exposure levels – primary activities in the four-step process of protecting employees, athletes, and others at risk of heat stress:

1. Identify
2. Monitor
3. Control
4. Protect

3M™ QUESTemp°™ series covers a broad range of heat stress monitors, making it easy to select an instrument that meets the needs of different users and environments – including wet bulb and waterless wet bulb.

3M™ Protective Eyewear



Eye Injuries are Prevalent in the Workplace

Every day, approximately 2,000 U.S. workers sustain a work-related eye injury that requires medical treatment.[1] This is a problem for both employers and their workers, because about 1 in 10 injuries require one or more missed workdays to recover.[2]

Eye injuries occur for two main reasons:

- **Not wearing eye protection.**
  Nearly three out of every five workers injured are not wearing eye protection at the time of the accident.[3]
- **Wearing the wrong eye protection for the job.**
  40% of the injured workers were wearing some form of eye protection when the accident occurred. However, these workers were most likely to be wearing protective eyeglasses that offered inadequate eye protection.[3]

Most Eye Injuries are Preventable

Experts believe that the correct eye protection could lessen the severity of or even prevent 90% of eye injuries.[4] Compliance and education play a major role in preventing these injuries.

- **Compliance**
  In jobs where eye protection is required, to be effective, the eyewear must be of the appropriate type for the hazard encountered and properly fitted.[3]
- **Education**
  Even though the vast majority of employers furnished eye protection at no cost to employees, about 40% of the workers received no information on where and what kind of eyewear should be used.[3]

3M Protective Eyewear

3M protective eyewear features the comfort and adjustability that professionals need for extended wear. With over 400 options in a wide range of styles, lens tints, coatings and shades, 3M protective eyewear offers solutions for almost every environment.

Multiple Lens Tints and Coatings

3M offers a variety of task specific lenses and tints to help reduce glare, eye stress and fatigue, as well as a range of lens coatings–from standard Hard Coat and Anti-Fog to 3M's exclusive coatings, such as Rugged Anti-Scratch (RAS) and DX™ Anti-Fog Hard Coat.

Cool and Contemporary Styles

Style is a critical factor when it comes to raising the acceptance of the user to wear personal protective equipment (PPE). 3M's range of eyewear offers a variety of modern and stylish products.

Extensive Eyewear Line

3M's extensive full line of protective eyewear includes economical and value-oriented models, as well as unique premium products. Some models are available in readers and goggles. 3M also offers eyewear that is compatible with some personal protective equipment, such as earmuffs and hard hats.

Compliant

All 3M protective eyewear and goggles meet the High Impact Requirements of ANSI Z87.1-2003 or ANSI Z87.1-2010, depending on the model, and provide UV protection–polycarbonate lenses absorb 99.9% UVA and UVB.

[1]cdc.gov/niosh © 2012 National Institute for Occupational Safety and Health.

[2]preventblindness.org © 2011 Prevent Blindness America.

[3]Bureau of Labor Statistics.

[4]U.S. Eye Injury Registry Summary Report, 1998-2002.

Announcing 3M™ Total Eyewear Solutions

A comprehensive program focused on helping you keep workers protected and comfortable with a wide variety of prescription and non-prescription safety eyewear professionally fitted for your employees.

Premium Protective Eyewear

Changing outdoor light conditions doesn't require changing eyewear anymore.

Smart Lens™

UPC: 10078371620339
Product #: 13407-00000-5

Features and Benefits

- Photochromic lens lightens and darkens with changing outdoor light conditions
  - Light to dark in less than 20 seconds
  - Dark to light in less than 3 minutes
- Anti-Fog Lens
- Soft, adjustable nose bridge
- Durable frame with nylon brow and magnesium alloy temples
- Spring-hinged temples for narrow or wide fit
- Polycarbonate lenses absorb 99.9% UVA and UVB
- Includes microfiber storage bag and lanyard

Light Reactive Lenses Adjust with Changing Outdoor Light Conditions

Safety directors should assess their particular workplace and make all people wearing Smart Lens™ photochromic eyewear aware of the time required for the lens transition. Special care should be taken when moving from outdoors to indoors. Outdoor temperatures may affect the lens transmission time. Do not store on vehicle dashboard. Prolonged exposure to intense heat can damage eyewear. Always store Smart Lens in protective bag.

Other 3M™ Premium Protective Eyewear

Light Vision™ 2

UPC: 1007837162114
Product #: 11476-00000-10

Features and Benefits

- Half-frame style, hands-free direct lighting
- Clear Anti-Fog Lens, Gray Frame, Dual LED Lights

Light Vision™ OTG

UPC: 10078371622036
Product #: 11489-00000-10

Features and Benefits

- Clear DX™ Anti-Fog Hard Coat Lens, LED Lights
- Fits over most prescription eyewear

OCC™ 304

UPC: 10078371623736
Product #: 11451-00000-10

Features and Benefits

- Gray Polarized Hard Coat Lens, Silver Aluminum Frame

Fuel™ X2 Protective Eyewear

UPC: 10078371116351
Product #: 11635-00000-10

Features and Benefits

- Red Mirror Lens, Dark Copper Frame

3M™ Protective Eyewear

Value Protective Eyewear

Maxim™ with RAS

New in 2012

UPC: 10078371118607
Product #: 11860-00000-20

Features and Benefits

- Rugged anti-scratch (RAS) coating helps provide at least four times more scratch resistance than any other current hard coat on 3M non-prescription safety eyewear
- Helps keeps lenses clear, longer
- Helps lower replacement costs by extending the life of the lens
- Helps protect the lens from many chemicals
- Meets the requirements of CSA Z94.3-2007 and the High Impact Requirements of ANSI Z87.1-2010

Other 3M™ Value Protective Eyewear

Maxim™ GT
UPC: 10078371626126
Product #: 14246-00000-20

Features and Benefits
- Clear Anti-Fog Lens, Metallic Gray and Black Frame

Metaliks™ Sport
UPC: 10078371623552
Product #: 11343-00000-20

Features and Benefits
- Clear Anti-Fog Lens, Nickel Frame

Privo™
UPC: 10078371620872
Product #: 12261-00000-20

Features and Benefits
- Clear Anti-Fog Lens, Black/Orange Frame

Moon Dawg™
UPC: 10078371621787
Product #: 11215-00000-20

Features and Benefits
- Gray Anti-Fog Lens, Black Frame

Virtua™ Sport CCS
UPC: 10078371117990
Product #: 11799-00000-20

Features and Benefits
- Gray Hard-Coat Lens, Gray Temple
- Designed to keep eyewear and earplugs attached

Economy Protective Eyewear

Virtua™ AP

UPC: 10078371118157
Product #: 11815-00000-20

Sleek unisex styling, lightweight comfort and exceptional value.

Features and Benefits

- A selection of "task-specific" lens tints
- Comfortable, lightweight frame – weight less than 1 oz.
- High-wrap lenses fit snug against the face for a better viewing area
- Polycarbonate lenses absorb 99.9% UVA and UVB rays
- Meets the High Impact Requirements of CSA Z94.3-2007 and the High Impact Requirements of ANSI Z87.1-2010

Other 3M™ Economy Protective Eyewear

Virtua™
UPC: 10078371621046
Product #: 11329-00000-20

Features and Benefits
- Clear Anti-Fog Lens, Clear Temple

KX™
UPC: 10078371622227
Product #: 12150-00000-20

Features and Benefits
- Clear Uncoated Lens, Black Temple

SX™
UPC: 10078371622197
Product #: 12141-00000-20

Features and Benefits
- Clear Anti-Fog Lens, Black Frameless

OX™
UPC: 10078371622241
Product #: 12159-00000-20

Features and Benefits
- Clear Uncoated Lens, Black Temple
- Fits over most prescription eyewear

Eyewear injuries happen when you least expect them. Be prepared.

3M™ Protective Eyewear

Protective Eyewear with Readers

Did you know?

The term “presbyopia” means “old eye” and is a vision condition involving the loss of the eye’s ability to focus on close objects.

3M’s Protective Eyewear with Readers are ideal for anyone who wears reading glasses, who is engaged in small detailed work or has difficulty reading small print.

BX™ Readers

UPC: 10078371620469
Product #: 11374-00000-10

Sleek, contoured and fully adjustable with molded-in magnifying diopters on the lower lens.

Clear Anti-Fog Lens, Silver Frame, +1.5 Diopter.

Features and Benefits

- Adjustable length temples
- Lens angle adjustment
- Soft, adjustable nose bridge
- Polycarbonate lenses absorb 99.9% UVA and UVB
- Meets the requirements of CSA Z94.3-2007 and the High Impact Requirements of ANSI Z87.1-2010

Other 3M™ Protective Eyewear with Readers

Light Vision™ 2 Readers

UPC: 10078371621121
Product #: 11477-00000-10

Features and Benefits

- Hands-free directed lighting with ultra-bright, adjustable LED lights
- Clear Anti-Fog Lens, Gray Frame, +1.5 Diopter

Nuvo™ Readers

UPC: 10078371620629
Product #: 11434-00000-20

Features and Benefits

- “Retro” styling designed with molded-in magnifying diopters on the lower lens
- Clear Anti-Fog Lens, Gray Frame, +1.5 Diopter

Lexa™ Readers

UPC: 10078371622500
Product #: 13353-00000-20

Features and Benefits

- Clear DX™ Anti-Fog Hard Coat Lens, Black Temple, (M) +1.5 Diopter

Safety Goggles

Maxim™ 2x2 Air Seal Goggle

UPC: 10078371621664
Product #: 40686-00000-10

Advanced, dual lens design with a unique air bladder seal.

Features and Benefits

- Air seal for comfort and impact absorption
- Excellent orbital eye coverage
- Polycarbonate lenses absorb 99.9% UVA and UVB
- Meets the High Impact Requirements of ANSI Z87.1-2010
- Clear Anti-Fog Lens, Black Frame, Elastic Strap

Other 3M™ Safety Goggles

Fectoggles™
UPC: 10078371623217
Product #: 16400-00000-10

Features and Benefits

- Impact protection that helps seal out particulates
- Clear DX™ Anti-Fog Hard Coat Lens, Elastic Strap, (M)

Lexa™ Splash GoggleGear
UPC: 10078371623361
Product #: 16644 -00000-10

Features and Benefits

- Fully assembled, soft flange seals and vented channels
- Clear DX™ Anti-Fog Hard Coat Lens, Elastic Strap, (M)

Lexa™ Dust GoggleGear™
UPC: 10078371623286
Product #: 16615-00000-10

Features and Benefits

- Clear DX™ Anti-Fog Hard Coat Lens, Black Frame, (M)

3M™ Prescription (SRx) Eyewear

3M™ Prescription Eyewear (SRx)

3M's safety prescription eyewear is engineered to help provide employees who have prescriptions with the eye protection they need to work in a wide variety of environments. Using the latest in lens and coating technologies, 3M safety prescription eyewear is durable and helps improve visual acuity.

A Comprehensive Selection of Frame Styles

With over 60 choices, 3M's frame collection features a variety of fitting characteristics to improve comfort, including soft adjustable nose pads, comfort nose bridges, spring hinge flex temples and adjustable length temples.

All products feature lateral coverage either integrated into the frame design or as separately attached sideshields.

Compliant

All 3M prescription eyewear frames meet the requirements of ANSI Z87.1-2003 or ANSI Z87.1-2010, depending on the model.

Lens Materials, Options and Coatings

3M offers many lens material options, which offer a wide range of impact protection. They include Polycarbonate, Trivex®, plastic and glass.

You can choose from a variety of lens options, including Progressive Addition Lens designs. For sun protection, we offer Transitions® and Life Rx® photochromic lenses, as well as Polarized lenses. Coating options include SuperCote™, Anti-Reflective and Anti-Fog coatings.

Eyewear Protection for Every Employee

Popular 3M™ Prescription Eyewear Styles

ZT200

Features and Benefits

- Plastic construction for consideration in non-conductive applications
- Computer designed to help provide a comfortable fit for a wide range of head shapes and facial features
- Removable Lens Carriers with Integrated Side Protectors
- High Visibility Reflective Temples for greater visibility at dusk and night
- Replaceable foam brow protector to help shield the eyes from particulates, perspiration and wind

Other 3M™ Prescription Eyewear

V1000

Wraparound styling and close-fitting comfort, for indoor and outdoor tasks. Offered in jet, snow and wine fade.

D490

Unisex, modern design uses a straight browline to create an upbeat look. Offered in popular black crystal and brown amber.

Steel 800

Classic aviator style with contemporary colors and treatments. Offered in gold and gunmetal with a tortoise brow piece.

Enhance your eye safety program with 3M Total Eyewear Solutions

3M offers more than just safety eyewear. With Total Eyewear Solutions, we can be a partner in the success of your program. We're committed to making your life easier and to helping you fit your employees with the appropriate prescription and non-prescription eyewear for their job. Offering more than 400 non-prescription and over 230 prescription eyewear options, the Total Eyewear Solutions program is focused on helping to keep your employees protected and comfortable.

To learn more about the 3M Total Eyewear Solutions program, contact your authorized 3M distributor or your local 3M representative.

In U.S.	Non-Prescription	Prescription (SRx)
Technical Assistance	1-800-243-4630	
Customer Care Center	1-800-328-1667	1-800-982-2828
Internet	3M.com/PPESafety	3M.com/safetyrx

3M™ H-700 Series Hard Hats

Lightweight Comfort, Tough Performance

3M™ H-700 Series Hard Hat with Uvicator™ Sensor is the newest addition to the H-700 series hard hat family. This award-winning, lightweight hard hat offers extended comfort and protection, and also features a sensor that changes color as the hard hat is exposed to UV light.

The sun's UV rays can cause a hard hat shell to become brittle and compromise its ability to help protect the wearer. With the Uvicator sensor, wearers know it's time for a replacement when the sensor changes from red to white. The H-700 hard hat with Uvicator sensor is available with a 4-point ratchet suspension.

3M™ H-700 Series Hard Hat with Uvicator™ Sensor

UPC: 10078371655515
Product #: H-702R-UV

With the Uvicator™ Sensor, you'll know when your hard hat has been in the sun too long.

Features and Benefits

All H-700 series hard hats include:

- Low-profile design for stability and balance
- Replaceable brow pad
- Short brim for better upward visibility
- Slots to accommodate 3M's accessories, such as earmuffs, headgear, faceshields and welding helmets
- Compliant when worn in forward and reverse donning positions
- 4-point Ratchet or Pinlock suspension system with height adjustment
- Vented and non-vented models

Typical Applications

- Mining
- Construction Work
- Road Construction
- Forestry
- Oil & Gas
- Heavy and Light Industrial

Colors Available:

Yellow	Green
Blue	Bright Yellow
White	

Made in U.S.A. with Globally Sourced Materials

See 3M.com/PPESafety for more product selection.

Experience Full-Shift Comfort with the 3M™ H-700 Series Hard Hat

3M™ H-700 Series Hard Hat is comfortable, tough and lightweight. Designed with a low profile for improved stability and balance, the H-700 series provide comfort and protection from small falling objects striking the top of the hard hat. These hard hats feature accessory slots to accommodate 3M's cap-mounted ear muffs, headgear, faceshields and welding helmets. The non-vented 3M H-700 series hard hat meets the requirements of ANSI/ISEA Z89.1-2009 Type I, Class C, G and E. The vented 3M H-700 series hard hat meets the requirements of ANSI/ISEA Z89.1 Type I, Class C.

3M™ H-700 Series Hard Hat

UPC: 10078371641990
Product #: H-703R

Features and Benefits

- Comfortable when worn for extended periods of time
- The 3M™ H-700 Series Hard Hat is available with a 4-point ratchet or pinlock suspension or an optional 6-point strap

Typical Applications

- Heavy and Light Industrial
- Construction Work
- Oil & Gas
- Road Construction
- Forestry
- Mining

Colors Available:

Red		Orange	
Yellow		Gray	
Blue		Bright Yellow	
Green		Navy Blue	
White		Bright Orange	

Optional 6-point Strap
UPC: 10078371654921
Product #: H-700-S6

Custom Logo Program

The Custom Logo Program for 3M™ H-700 Series Hard Hats makes it easy to imprint a logo on your next hard hat. Visit 3M.com/customlogo to learn more.

Additional Head & Face Products

3M also offers a range of faceshields and headgear. Visit 3M.com/PPESafety to view products.

3M™ Protective Coveralls

Designed for the Demands of the Industrial Workplace

Harmful dust, light liquid splashes and sprays. Biological contaminants. These are just some of the dangers inherent in today's industrial workplace. 3M introduces a line of quality disposable coveralls to help protect at-risk workers. Used for a variety of applications, 3M™ Protective Coveralls offer quality and reliability: helping workers to maneuver freely and do their jobs effectively. They are certified to meet European safety standards to help provide piece of mind.

Features and Benefits of 3M™ Protective Coveralls

- Breathable material to help reduce heat build-up and promote comfortable wear, while helping to protect against certain dusts and light liquid splashes
- Knit cuffs, elasticized waist and ankles for increased comfort and freedom of movement
- Three panel hood design for compatibility with complementary PPE
- Two-way zipper with sealable storm flap for additional protection
- Reinforced gusset for increased durability
- Low-linting material with anti-static coating

Built for
protection
Designed for
comfort

See 3M.com/PPESafety for more product selection.

3M™ Protective Coverall 4540+, enhanced performance with comfort built in

(M) UPC: 00051131498068 (00601)
(L) UPC: 00051131498075 (00602)
(XL) UPC: 00051131498082 (00603)
(XXL) UPC: 00051131498099 (00604)
(3XL) UPC: 00051131498105 (00605)
(4XL) UPC: 00051131498112 (00606)

Typical Applications

- Asbestos inspection
- Machine or vehicle processing
- Pharmaceutical manufacturing
- Paint spraying

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Protective Coveralls

Other Protective Coveralls

3M™ Protective Coverall 4510, entry level splash and dust protection
(M) UPC: 00051131497887 (00582)
(L) UPC: 00051131497894 (00583)
(XL) UPC: 00051131497900 (00584)
(XXL) UPC: 00051131497917 (00585)
(3XL) UPC: 00051131497924 (00586)
(4XL) UPC: 00051131497931 (00587)

Typical Applications

- Metal polishing
- Machine or vehicle maintenance
- General industrial clean-up and processing
- Paint spraying

3M™ Protective Coverall 4520, entry level protection with comfort
(M) UPC: 00051131497948 (46768)
(L) UPC: 00051131497955 (46770)
(XL) UPC: 00051131497962 (46772)
(XXL) UPC: 00051131497979 (46774)
(3XL) UPC: 00051131497986 (46776)
(4XL) UPC: 00051131497993 (46778)

Typical Applications

- Woodworking
- Light-duty building cleaning
- Insulation installation
- Coal dust in power plants

3M™ Protective Coverall 4530, breathable protection with secondary flame resistance*
(M) UPC: 00051131498006
(L) UPC: 00051131498013
(XL) UPC: 00051131498020
(XXL) UPC: 00051131498037
(3XL) UPC: 00051131498044
(4XL) UPC: 00051131498051

Typical Applications

- Metal grinding maintenance
- Light-duty
- Welding
- General powder handling

3M™ Protective Coverall 4565, chemical protective coverall with excellent protection and durability
(M) UPC: 00051131498129
(L) UPC: 00051131498136
(XL) UPC: 00051131498143
(XXL) UPC: 00051131498150
(3XL) UPC: 00051131498167
(4XL) UPC: 00051131498174

Typical Applications

- Asbestos handling and stripping
- Tank cleaning and maintenance
- Health care
- Pharmaceutical manufacturing

Accessories

3M™ Protective Overboots 450 add-on accessory for footwear protection
UPC: 04046719525713

Features and Benefits

- Constructed from laminated microporous material with a slip resistant sole
- Universal size with ties and elastic at the calf to provide a good fit

*When FR is required, it must be worn over a primary protective garment and not worn next to skin. Cuffs are not flame resistant.
3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Speedglas™ Welding Products

Protection that can help increase your performance

For more than 35 years, the Speedglas brand has represented leadership in welding technology. 3M™ Speedglas™ Auto-Darkening Filters (ADF) from 3M provides constant protection from ultraviolet and infrared (UV/IR) radiation and consistently switches from light to dark. The high optical clarity of our ADFs helps welders reduce the need for grinding and rework by allowing them to place electrodes with the helmet in the down position.

How ADFs Work

Before: With the helmet in the down position, you have a clear view through the welding filter. Both of your hands are free and the electrode can be precisely positioned.

During: Within 0.1 milliseconds of the arc strike, the filter has switched to the dark state.

After: The filter automatically returns to the light state after welding is complete, allowing your immediate and safe inspection of the weld pool, as well as preparation for the next weld.

3M™ Speedglas™ Welding Products

3M™ Speedglas™ 9100 Series Welding Helmets

These helmets are specially created to satisfy a wide range of welder's unique welding needs. It combines comfort, wider precision viewing and increased flexibility for safer work efficiency. Designed to protect, this radical technology fundamentally changes not only how the user wears the helmet, but also how the welder experiences its fit, stability and balance.

The 3M™ Speedglas™ 9100 Helmet is designed for optimal comfort and protection. The radical technology behind the highly adjustable head suspension changes how you experience fit, stability and balance. The 9100 helmets have a smooth up-and-down pivot action that gently locks in the 'up' position, and their suspension keeps the helmet closer to user's head – making the helmet feel lighter, more stable and balanced. The 9100 helmet is also available with removable "blinders" on SideWindow models, to allow you to see others working around you.

The 3M™ Speedglas™ 9100 FX Helmet includes an innovative wide-view grinding visor to give welders an all-in-one solution for more flexibility and precision. The exceptionally clear and large (approx. 8" x 4.25") visor offers a wide field of view in all directions, while a smooth flip-up pivot mechanism assures effortless transition from welding to grinding modes. The 9100 FX comes standard with Shade 5 SideWindows and a top-of-head head spark and spatter cover.

3M™ Speedglas™ 9100 and 3M™ Speedglas™ 9100 FX Welding Helmets

3M™ Speedglas™ 9100
UPC: 00051135893876
Product #: 06-0100-30SW
3M ID: 70-0715-1046-8

3M™ Speedglas™ 9100 FX
UPC: 00051131496750
Product #: 06-0600-30SW
3M ID: 70-0716-0631-6

Features and Benefits

- Optical quality
- Viewing area
- Durability
- Extended coverage

Typical Applications

- Welding
- Grinding
- Torch cutting/brazing
- Plasma cutting

For 3M™ Speedglas™ 9100 FX only

- Flip-up mechanism
- Wide-view grinding visor

3M™ Speedglas™ 9100

3M™ Speedglas™ 9100 FX

Other 3M™ Speedglas™ 9100 Series Welding Helmet Products

ADFs

9100V UPC: 00051135893494
Product #: 06-0000-10
3M ID: 70-0715-1008-8

9100X UPC: 00051135893517
Product #: 06-0000-20
3M ID: 70-0715-1010-4

9100XX UPC: 00051135893524
Product #: 06-0000-30
3M ID: 70-0715-1011-2

Suspension
UPC: 00051131371798
Product #: 06-0400-51
3M ID: 70-0715-1029-4

Extended Protection
UPC: 00051135893760
Product #: 06-0500-52
3M ID: 70-0715-1035-1

3M™ Speedglas™ Respiratory Protection

With its smart, compact design, the award-winning 3M™ Adflo™ Powered Air Purifying Respirator has been created to meet your welding needs. This unit is designed to offer continuous filtered air that can help increase productivity by keeping you more comfortable. By using the Adflo PAPR, you receive both respiratory protection and comfort all day long.

For welding environments where supplied air respiratory protection is needed, the 3M™ Fresh-air III Supplied Air Regulator, with an assigned protection factor of 25, can be used with either the 3M™ Speedglas™ 9100-Air Welding Helmet or 9100 FX-Air. The lightweight, belt-mounted regulator allows you to regulate the airflow from a supplied air source and cool or heat the air entering the headgear by as much as 50°F (28°C), ideal for extreme temperature work environments.

3M™ Adflo™ Powered Air Purifying Respirator (APF) 25

UPC: 00051131926080
Product #: 15-5401-01
3M ID: 70-0712-6859-6

3M™ Fresh-air III Supplied Air Regulator

UPC: 00051131370180
Product #: V-100 (37018)
3M ID: 70-0707-9901-3

3M™ Fresh-air III

3M™ Adflo™

Features and Benefits

For both 3M™ Adflo™ and 3M™ Fresh-air III

- Quick-connect attachment
- Proven durability

For Adflo only

- Lightweight comfortable belt mounted PAPR for complete mobility
- LED filter/battery indicator

For Fresh-air III only

- Lightweight, belt mounted supplied air
- Cool or heats ambient air temperature by up to 50°F (V-100 Cooling valve shown)

Typical Applications

- Welding
- Grinding
- Torch Cutting/Brazing
- Plasma Cutting

Other 3M™ Speedglas Respiratory Protection Products

3M™ Speedglas™ 9100-Air
UPC: 00051131498334
Product #: 25-0099-35SW
3M ID: 70-0716-0766-0

3M™ Speedglas™ 9100 FX-Air
UPC: 00051131372665
Product #: 26-0099-35SW
3M ID: 70-0716-0681-1

L-Series
UPC: 00051135894606
Product #: 16-0905-SGX
3M ID: 70-0715-1664-8

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Speedglas™ 100 Series Welding Helmet

The affordable 3M™ Speedglas™ 100 Series Auto-Darkening Filter has excellent optical quality, reliable light-to-dark switching, and can be used with most arc welding processes, such as stick (MMA), MIG/MAG, and many TIG applications.

The easy-to-use 100-Series welding helmet can be the ideal helmet for farmers and maintenance or construction workers that can benefit from the ability to see clearly with their welding protection in place.

3M™ Speedglas™ Razor Dragon Welding Helmet

UPC: 00051131499546 (49954)
Product #: 07-0012-31RD
3M ID: 70-0716-1779-2

Features and Benefits

- Constant UV/IR protection even when the ADF is off
- Variable Shade ADFs (100V) with three selectable sensitivity settings and five user-selectable dark shades 8-12
- ADF switching time from light to dark is .01ms
- Single Shade ADFs (100S-10 and 100S-11)
  - Single dark shade 10 or 11

Typical Applications

- Welding
- Grinding

Other Designs Available

To see all 13 welding helmet designs, go to 3M.com/Speedglas

Other 3M™ Speedglas™ 100 Series Welding Helmet Products

Black helmet
UPC: 00051131372320
Product #: 07-0012-31BL (37232)
3M ID: 70-0715-3372-6

ADF
UPC: 00051131372429
Product #: 07-0000-31 (37242)
3M ID: 70-0715-3381-7

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Speedglas™ SL Welding Helmet

Welders have asked for two things in personal protection: lighter weight and more comfort. Our challenges in designing this helmet were to significantly reduce its weight, while maintaining the performance and protection that welders worldwide have come to expect in every Speedglas product. The resulting product is an auto-darkening welding helmet that weighs approximately 13.4 oz.

3M™ Speedglas™ SL Welding Helmet

UPC: 00051131985643
Product #: 05-0013-41
3M ID: 70-0714-0172-6

Features and Benefits

- Stronger, Thinner Shell
  - Strong, lightweight material with excellent protection and coverage
  - Front-to-back suspension adjustments allow for better fit
- Auto-Darkening Filter
  - For most arc welding processes – such as stick (MMA), MIG/MAG, TIG and plasma welding
  - Auto ON and OFF
  - Approximate viewing area (42 x 93mm)
  - Light state 3
  - Variable dark shades 8-12

Typical Applications

- Welding

Other 3M™ Speedglas™ SL Welding Helmet Products

ADF
UPC: 00051131985575
Product #: 05-0000-41
3M ID: 70-0714-0165-0

3M Products for Emergency Response

3M™ Respiratory Protection for CBRN Applications*

3M™ Breathe Easy™ (RBE) Powered Air Purifying Respirator (PAPR) System for Responders

These National Institute for Occupational Safety and Health (NIOSH) approved powered air purifying respirator systems help provide protection against Chemical, Biological, Radiological and Nuclear (CBRN) particulates, gases and vapors. Uniquely designed for a first responder, first receiver and public health professionals.

3M™ Breathe Easy™ (RBE) for Responders PAPR Systems RBE-L10 and RBE-NM10

L10 UPC: 00051131918993
NM10 UPC: 00051131919020

Features and Benefits

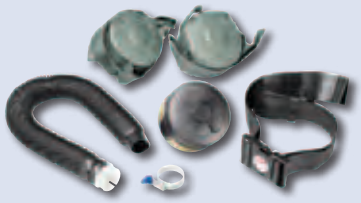
- Approved to NIOSH CBRN Loose-Fitting PAPR Standard (42 CFR 84)
- 3M™ Cartridge RBE-57 meets NIOSH CBRN "Cap 1" requirements against test agents including high efficiency particulate filtration (99.97%)
- Lightweight, one size butyl rubber hood provides a wide field of vision, no fit test requirements and ability to use with eye glasses and limited facial hair
- Continuously filtered airflow for maximum comfort to help workers focus on their jobs for longer periods
- System functions with two battery options:
  - Lithium Battery non-rechargable – up to 12 hours of use*
  - NiMH Battery – up to 8 hours of use and 90% charged in 2 hours**
- 3M duffle bag safely stores the system in one place and allows for quick access in an emergency
- 3M's unmatched customer service and technological expertise offer customers peace of mind

*For full line of products, see page 74.
**Battery duration will vary depending on the age of cells, temperature and filter loading.

To convert your 3M™ Breathe Easy™ PAPR System to a NIOSH CBRN-approved system:

- Make sure that you have either a FR-57L10 or FR-57N10 system. Other systems cannot be converted.
- If you have Battery Pack 520-01-15R01 NiCd, replace it with Battery Pack BP-15 NiMH and Smart Battery Charger BC-210

+



or

LV NMV

RBE-HUP
UPC: 00051131918986

FR-57L10 or FR-57N10

Optional Accessories

3M™ Communication Device RBE-CMH
UPC: 00051131918955

3M™ Shower Cover RBE-SC
UPC: 00051131985464

3M™ Respiratory Protection

3M™ Tight Fitting PAPR Systems for CBRN Applications

The National Institute for Occupational Safety and Health (NIOSH) approved 3M™ Breathe Easy™ RBE Tight Fitting Powered Air Purifying Respirator (PAPR) Systems for Chemical, Biological, Radiological and Nuclear (CBRN) applications. Four PAPR assemblies combined with your choice of two comfortable and effective tight fitting facepieces as well as other options make these systems the smart choice for first responders, law enforcement and security personnel.

Features and Benefits

- These facepieces can be used as part of the PAPR system or in non-powered air mode with the 3M canister FR-15-CBRN
- Approved to NIOSH CBRN Tight Fitting PAPR Standards (42 CFR 84). Can be used for escape above Immediately Dangerous to Life or Health (IDLH) when oxygen concentrations are at least 19.5%.
- 3M™ Canister RBE-40 meets NIOSH CBRN "Cap 1" requirements for chemical test agents and provides high efficiency particulate filtration (99.97%)
- Bright red training cartridges allow easy, ongoing and affordable training
- 3M™ Duffle Bag RBE-DFL provides protection during storage and transit
- Continuously filtered airflow for greater comfort and user confidence
- Choice of batteries. Select a Lithium non-rechargable battery with up to 12 hours of use* or a rechargeable NiMH battery with up to 8 hours of use with 90% recharge in 2 hours.*
- Lightweight and comfortable promoting less-restricted movement and longer wear time

*Battery duration will vary depending on the age of cells, temperature and filter loading.

FR-7800B and FR-M40B
FR-7800B
(S) UPC: 00051131915329
(M) UPC: 00051131915350
(L) UPC: 00051131915336

FR-M40B
10 UPC: 00051138767280
20 UPC: 00051138767297
30 UPC: 00051138767303

FR-M40B

FR-7800B

3M™ Communication Device RBE-CM7
(For FR-7800B)
UPC: 00051131918948

RBE-SC
UPC: 00051131985464

RBE-CM4
(For FR-M40B)
UPC: 00051131919082

FR-15CBRN
(For negative pressure systems only)
UPC: 00051131529910

RBE -LV and NMV
LV UPC: 00051131919013
NMV UPC: 00051131919044

LV or NMV

RBE-LB and NMB
LB UPC: 00051131919006
NMB UPC: 00051131919037

LV or NMV

3M Products for Emergency Response

3M™ Respiratory Protection

3M™ Breathe Easy™ Assemblies – BE-12-BIOKIT

(Reg) UPC: 00051135894910
(L) UPC: 00051135894927

Now you can enhance your existing 3M™ Breathe Easy™ Assemblies when responding to biological hazards. Our biological conversion kit gives you a comfortable option and offers flexibility when responding to a variety of emergency response applications, including patient triage, decontamination and infection control. Our biological conversion kit allows you to:

- Enhance your existing 3M Breathe Easy assemblies
- Maximize your initial investment at a low conversion cost
- Stay with a response system your employees are trained for and familiar with
- No additional fit or user testing required
- Your monthly battery maintenance program remains the same – no additional batteries required

3M™ Versaflo™ TR-300-HKS or HKL for Healthcare Applications Highly Versatile Respiratory Protection for Healthcare Professionals*

(S/M) UPC: 00051131496354
(M/L) UPC: 00051131496361

3M™ Versaflo™ TR-Series PAPRs incorporate the blower, filter and battery into a lightweight, compact and well-balanced belt-mounted unit for respiratory protection against airborne particulates. Their slim profile is designed for use in tight spaces, and their smooth, contoured outer surfaces are less prone to snagging on nearby objects, making the new Versaflo TR-Series PAPRs ideal for healthcare settings. Experience the comfort and unique features of a Versaflo™ respirator system, ideal for healthcare professionals.

- Designed for optimal usability
- 3M™ S-Series Headgear: Developed with healthcare professionals in mind
- Straightforward maintenance
- Reliable protection and comfort

3M Inventory Management Tool

3M's interactive Inventory Management Tool can help you determine the initial and on-going quantities of 3M™ Breathe Easy™ PAPR Systems, accessories, reorder dates for cartridges and batteries with expiration dates. Based on data you provide, this 3M tool focuses on factors such as personnel count, the number of decontamination tent lanes, stations per lane, the number of shifts and expectations of your facilities.

*For full line of products, see page 74.

See 3M.com/PPESafety for more product selection.

3M™ Respiratory Protection

3M™ Healthcare Particulate Respirator and Surgical Masks

Provide reliable respiratory protection for the wearer as well as fluid resistance to splash and spatter of blood and other infectious materials. They are all NIOSH 42 CFR 84 approved and include the following features:

- Fluid and splash-resistant
- NIOSH N95 approved
- Cup style or flat-fold
- Provide >99% Bacterial Filtration Efficiency (BFE)*
- Helps reduce wearer exposure to certain airborne particles including those from laser surgery
- Appropriate for pandemic preparedness planning and stockpiling

1860 and 1860S
1860 UPC: 50707387419429
1860S UPC: 50707387444124

1870
UPC: 50707387561326

*BFE tested according to ASTM F2101

Your First Response is Critical

Proper Fit testing and Training

Easy for you to administer

3M Support & Services

Your responsibility to protect your workforce is a continual balancing act, requiring you to stay at the forefront of technology and on top of standards and regulations. It's an ongoing effort to maximize both the output of your workers and to protect their health and safety.

Tap into a go-to resource that puts you at the leading edge of occupational health and safety, bringing you the most advanced products and regulatory expertise, and offering extensive technical service and support to help keep your workforce in compliance.

When you use 3M products, you gain access to a full range of resources including on-site training and testing to help ensure a proper fit, correct usage and care; online and web-based tools; customized consultation; and more. All are offered at no cost to you.

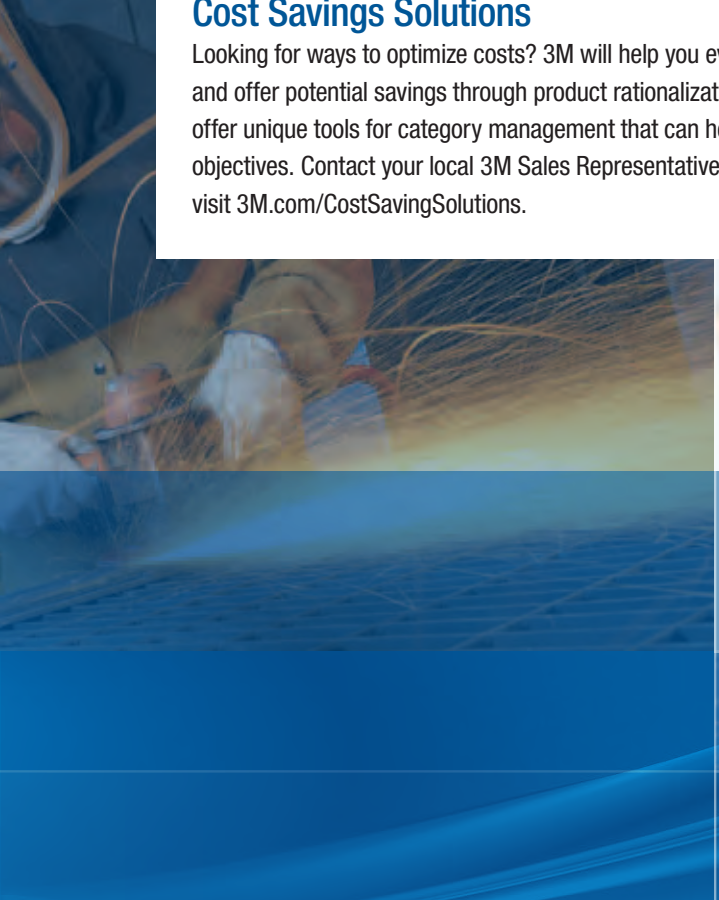
Global Customer and Technical Service Resources

3M has dedicated technical support personnel placed worldwide in over 60 countries, enabling us to serve your total global needs.

Our U.S. Technical Service helpline is staffed with employees who understand occupational health and safety and can help answer your product-related questions. Many 3M Technical Service employees are Certified Industrial Hygienists (CIHs) or Certified Safety Professionals (CSPs) and are actively involved in professional safety organizations such as ASSE (American Society of Safety Engineers) and AIHA (American Industrial Hygiene Association).

3M Personal Protective Equipment (PPE) Cost Savings Solutions

Looking for ways to optimize costs? 3M will help you evaluate your PPE usage and offer potential savings through product rationalization and consolidation. We offer unique tools for category management that can help you meet your business objectives. Contact your local 3M Sales Representative for full program details or visit 3M.com/CostSavingSolutions.



3M Support & Services

Product-Related Seminars & Support

Respiratory Fit Testing & Training Information

The Occupational Safety and Health Administration (OSHA) General Industry Standard for Respiratory Protection 29 CFR 1910.134 requires employers to have a written respiratory protection program in place. This program typically includes medical evaluations and respiratory fit testing.

3M helps you achieve regulatory compliance with a range of services focused on OSHA requirements. These include customized online respiratory medical evaluations to help optimize compliance testing and tracking; product selection tools; instructional tools for conducting OSHA-required product usage training; and cartridge service life software to help keep you in compliance.

Powered & Supplied Air Training Tools

Gain a fuller understanding of how to use and care for your powered and supplied air respiratory protection equipment. This series includes training videos, posters and literature providing information on how to clean, assemble and maintain your system.

Hearing Conservation Seminars

3M offers free on-site employee educational seminars focused on hearing conservation. Topics include current regulations, equipment choices, employee training programs, and issues related to noise hazards and hearing protection. Content is provided for both plant managers and workers. Seminars are conducted nationwide by 3M's team of HearForce℠ CAOHC certified managers.

Hearing conservation technicians and occupational health professionals seeking certification as an Occupational Hearing Conservationist (OHC) can also attend Hearing Conservation courses that 3M helps facilitate at Minnesota's Midwest Center for Occupational Health and Safety and throughout the country.

3M™ Peltor™ Communications Headsets

Get a firsthand look at the latest advancements in electronic headsets. Meet with a specialist and learn how these headsets filter out noise while permitting the user to hear and be heard in extremely loud conditions. Get an on-site demonstration of communications options applicable to your needs, and try out the newest products including headsets with built-in programmable two-way radios, wireless Bluetooth® headsets, and noise attenuating headsets that plug into your existing 2-way radios. For more information call 800-665-2942.

3M Welding Hazard Seminars & Educational Information

Attend a local seminar to increase your knowledge of worker safety and hazards pertaining to welders. These seminars will build your awareness of safety standards and employer responsibilities and can support your efforts to stay in compliance with OSHA regulations. Topics include regulations and standards, respiratory hazards and protection, engineering controls, benefits of auto-darkening filters, eye and face impacts, fall protection, and productivity considerations; as well as arc radiation, noise and heat stress hazards.

Welding instructors and students can also access customized training materials including videos and ready-to-use presentations at our website. Visit 3M.com/WeldingSafety.

Detection & Monitoring Training

Develop best practices for identifying, monitoring and eliminating potential hazards. Quest Technologies, now part of 3M, offers a variety of training seminars designed to help you better understand applicable standards and guidelines. Seminars offered are recognized by ABIH and BCSP. CIHs/CIAHs/CSPs can earn CM and COC credits through attendance. Visit 3M.com/Detection.

3M Support & Services

Educational Seminars Available:

- Occupational Noise Exposure Measurement (1 day)
- Noise and Heat Stress Measurements, A Best Practice Approach (1/2 day)
- Heat Stress Management and Control (1/2 day)
- Detection University – Noise, Heat Stress and Indoor Air Quality Instrumentation Training (4 Days)

3M also offers calibration and repair service for our line of occupational and industrial hygiene instrumentation. Many of our products are used in potentially explosive atmospheres and require strict adherence to our original proprietary design specifications for service and repairs. Accredited calibrations are important as they provide validation of data if challenged by third parties, ensure that intrinsic safety has not been compromised, and offer confidence in the technical sufficiency of the calibration.

Hazard-Based Protective Eyewear Seminars

Designed for industrial and government facilities requiring use of eye and face protection, these one-hour programs are recommended for employees, industrial hygienists, health and safety professionals and medical staff. Topics include regulations and standards governing eye protection and options for selecting the right protective eyewear for the job. Training focuses on common eye hazards such as impact, dust, liquid or chemical splash and optical radiation. Participants can try out samples of protective eyewear suitable to their job.

Occupational Prescription Eyewear (SRx)

Equip your workers with prescription safety eyewear that is professionally fitted for maximum comfort. 3M offers industry-leading SRx programs backed with innovative administrative tools and a nationwide dispensing services network. We'll help you establish a program customized to your needs. Workers can choose from a comprehensive selection of frame styles and lens materials as well as the latest lens and coating technologies, including popular Progressive Addition Lenses (PALs).

Fall Protection Training & Support

When your employees are working at dangerous heights, they need to be aware of relevant safety regulations and how to choose and use proper fall protection equipment for each job. Our experienced fall protection specialists offer on-site training and drop testing demonstrations using multi-component test trailers.

Emergency Preparedness

Preparing for and responding to natural and man-made disasters is one of the biggest challenges faced by organizations in both the private and public sectors. 3M's safety professionals will work with you to assess personal protective equipment needs and develop strategies to prepare your organization for business continuity during catastrophic events. In addition, we offer training CDs and website videos, online medical evaluations and planning and capacity tools, as well as extensive product documentation and technical support.

Online Respirator Medical Evals

- Available 24/7
- 97% Average Pass Rate
- English & Spanish

Regulatory Compliance Services from 3M

3M facilitates a convenient method for employers to obtain medical evaluation of respirator wearers as required by the OSHA Respiratory Protection Standard, 29 CFR 1910.134*.

Online Respirator Medical Evaluations

- Using any computer with Internet access, the employer creates one or more Respirator Profiles describing the respirator type, the work being done and the conditions under which the respirator(s) is used.
- Each employee logs on to a secure web site using a unique personal password. The employee then fills out the on-line questionnaire and submits it for evaluation.
- The employee receives immediate notification of his/her respirator use status.
- Within minutes after employees have completed the questionnaire, the employer can find out the respirator use status of those employees.
- Employees and the employer are notified within one (1) business day after completion of the questionnaire regarding status of any employees requiring further evaluation.
- All data is stored behind a firewall on a secure server. The employer does not have access to the employees' private health information.

Visit respexam.com to order
800-383-3393

*This service is not designed to meet the medical surveillance requirements of substance-specific OSHA health standards.

Website & Online Resources

3M.com/PPESafety or m.3M.com/PPESafety

3M's websites are available 24/7 and provide extensive information, resources, video and technical data for you and your customers.

Distributor Portal: 3M.com/OHESDistributor

Other direct links to product specific web pages:

Respiratory
3M.com/Respiratory
Resources on this site include: Six-Step Respiratory Protection Program, Respirator Selection Guide Software, Cartridge Replacement Program Documents and Information, Hazards In The News, Filter Replacement Program, and more.

Hearing Conservation
3M.com/Hearing
Resources on this site include: 3M™ E-A-R Log™ Technical Monographs Series, Audio Demonstration Webinars, Noise Navigator™ Sound Level Database, Training Audios and Hearing Conservation Clinics, information about the EPA's new NRR standard, and more.

For posters, DVDs, tech data bulletins, training videos and product samples
3M.com/PPESafety

Welding
3M™ Speedglas™ Products Homepage: 3M.com/Speedglas
Welding Student & Educator Portal: 3M.com/WeldingSafety

Fall Protection
3M.com/FallProtection

Detection & Monitoring
3M.com/Detection

Body Protection
3M.com/ProtectiveCoveralls

Powered and Supplied Air Respirators
3M.com/Versaflo

Occupational Health Construction Page
3M.com/WorkerSafety

HexChrome Website
3M.com/HexChrome

YouTube®
youtube.com/3MPPESafetySolutions

Facebook® – 3M™ Speedglas™ Welding
facebook.com/Speedglas

JobHealth Highlights Newsletter
3M.com/JHH

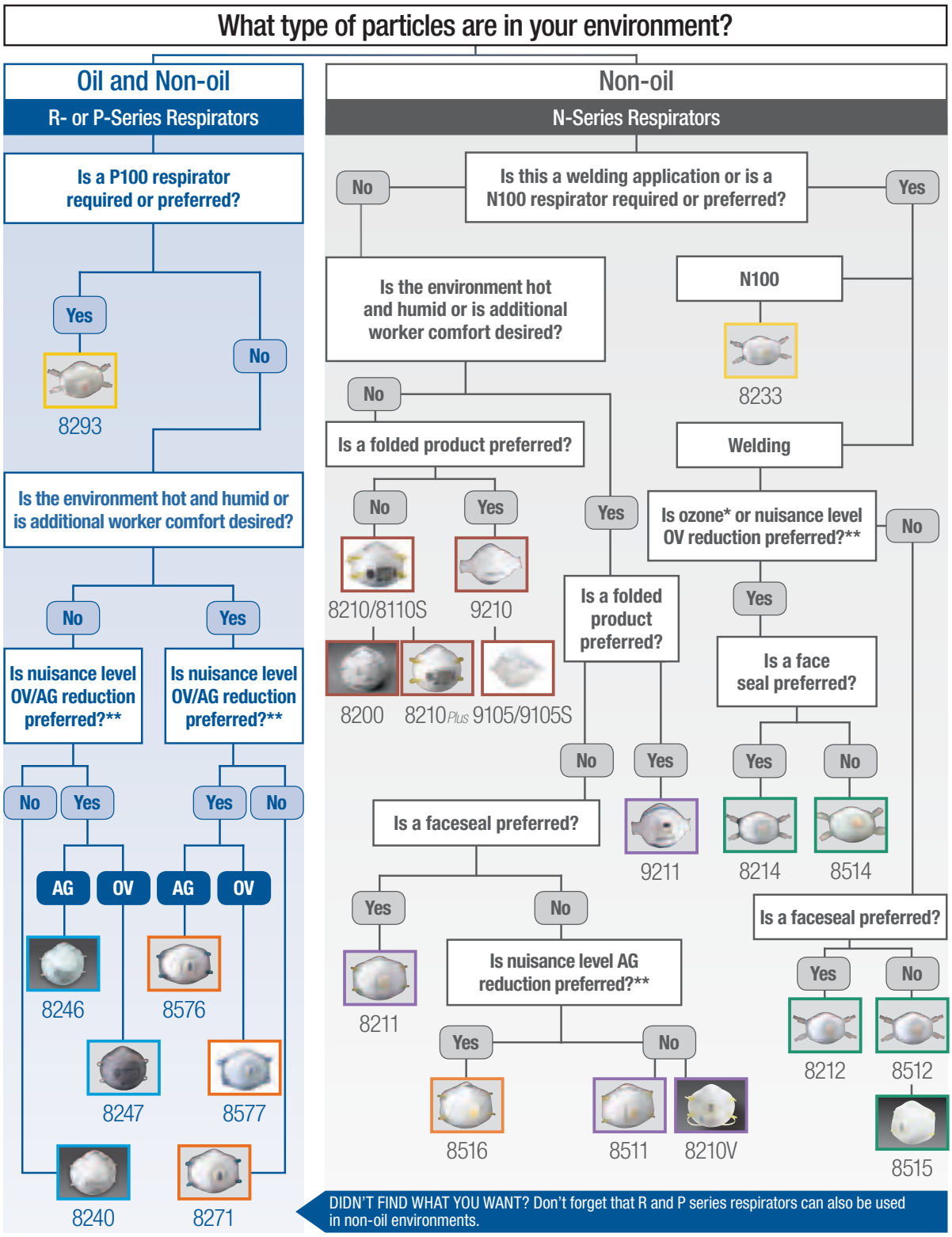
Additional PPE Training Courses

3M Technical Service may also be able to offer larger audiences half or full day training on a variety of topics related to respiratory, hearing, eye and welding protective equipment applications and regulations. Contact your 3M Sales Representative for more information.

For more information about these training programs and others, visit 3M.com/PPESafety or call 800-328-1667. Or call 3M OH&ESD Technical Service at 800-243-4630.

Product Preference Selector

Use the selector below to identify which respirator may be preferred for increased worker comfort.

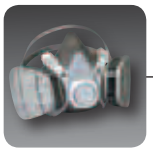


*3M recommended for ozone protection up to 10X OSHA PEL. Not NIOSH approved for ozone.
**3M recommended for relief against nuisance level acid gas (AG) or organic vapors (OV). Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Half Facepiece Respirators
5000 Series – Product Matrix

Respirators



5101 (S)
5201 (M)
5301 (L)
OV

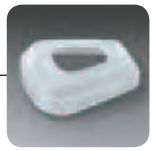
5103 (S)
5203 (M)
5303 (L)
OV/AG

Filter, Filter Retainer and Adapter Selection

5N11
N95 Filter

5P71
P95 Filter

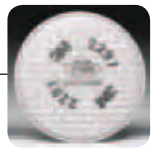
502 Filter Adapter*



501 Filter Retainer

2071
P95 Filter

2091
P100 Filter



2291
P100 Filter

7093
P100 Filter

Assemblies

51P71 (S) 07191
52P71 (M) 07192
53P71 (L) 07193
P95/OV

OV = NIOSH approval: Certain organic vapors.
OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
P95/OV = NIOSH approval: P95/certain organic vapors.

*Do not reuse.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Half and Full Facepiece Respirators
6000, 7000 and FF-400 Series – Product Matrix

Facepieces

6100 (S) 07024
6200 (M) 07025
6300 (L) 07026

6100DD (S)
6200DD (M)
6300DD (L)

7501 (S) 37081
7502 (M) 37082
7503 (L) 37083

6700 (S) 07138
6800 (M) 07139
6900 (L) 07140

6700DIN (S)
6800DIN (M)
6900DIN (L)

FF-401 (S) 89418
FF-402 (M) 89421
FF-403 (L) 89424

7800S-S
7800S-M
7800S-L

Cartridge and Filter Selection

60921 P100/OV

60922 P100/AG

60923 P100/OV/AG

60924 P100/AM/MA

60925 P100/Form

60926 P100/Multi Gas

60928 P100/OV/AG[2]

60929 P100/Merc

7093C***** P100/HF
37173

603 Filter Adapter

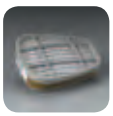
6001 OV
07046

6002
AG

6003 OV/AG
07047

6004
AM/MA

6005
Form


6006
Multi Gas

6009
Merc

Filter Retainer and Adapter Selection

5N11 N95 Filter

5P71 P95 Filter
07194

501 Filter Retainer
07054

502 Filter Adapter[1]

2071 P95 Filter

2076* HF/P95 Filter

2078**# P95 Filter

2091 P100 Filter
07000

2096*** P100 Filter

2097**** P100 Filter
07184

2291 P100 Filter
17170

2296*** P100 Filter
17171

2297**** P100 Filter
17172

7093 P100 Filter

OV = NIOSH approval: Certain organic vapors.

AG = NIOSH approval: Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide.

OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride.

AM/MA = NIOSH approval: Ammonia and methylamine.

Form = NIOSH approval: Formaldehyde† and certain organic vapors

Multi-Gas/Vapor = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide ammonia/methylamine, formaldehyde† or hydrogen fluoride.

Merc = NIOSH approval: Mercury vapor or chlorine gas.

* P95 filter with hydrogen fluoride and nuisance level acid gas relief. (Nuisance levels are less than OSHA PEL.)[3]

** P95 filter with nuisance level organic vapor/acid gas relief. (Nuisance levels are less than OSHA PEL.)[3]

*** P100 filter with nuisance level acid gas relief. (Nuisance levels are less than OSHA PEL.)[3]

**** P100 filter with nuisance level organic vapor relief. (Nuisance levels are less than OSHA PEL.)[3]

***** P100 cartridge filter with hydrogen fluoride and nuisance level organic vapor and acid gas relief. (Nuisance levels are less than OSHA PEL.)[3]

3M recommended for ozone up to 10 X PEL. Not NIOSH approved for ozone.

[1] Do not reuse.

[2] 3M recommended for methylbromide or radioiodine up to 5 ppm with daily cartridge change.

[3] 3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against gases or vapors.

† OSHA regulations require that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products. Other AAD packouts available.

3M™ Air-Mate™ High Efficiency (HE) Belt-Mounted Powered Air Purifying Respirator Systems – Product Matrix

Headgear

Head Cover
BE-12 Series

BE-12B-3 Blue Reg
BE-12B-50 Blue Reg
BE-12LB-3 Blue Lg
BE-12LB-50 Blue Lg

BE-12-3 White Reg
BE-12-50 White Reg
BE-12L-3 White Lg
BE-12L-50 White Lg

Hood
BE-10 Series

BE-10-3 White Reg
BE-10-20 White Reg
BE-10L-3 White Lg

Breathing Tube

BE-224

HEPA PAPR Assembly

AMH-1U

AMH-1U Includes:
- Air-Mate™ PAPR Unit 520-03-63R01
- Battery Pack 007-00-15R01
- HE Filter 451-02-01R01
- Airflow Indicator 021-14-00R01
- Vinyl Belt GVP-117
- External Charging Adapter 520-04-24
- Breathing Tube BE-224
- Breathing Tube Cover W-3228-10
- Smart Battery Charger 520-03-73

231-01-30

231-01-30 Includes:
- Air-Mate™ PAPR Unit 520-03-63R01
- Battery-Pack 007-00-15R01
- HE Filter 451-02-01R01
- Waist Belt Nylon 021-41-02R01
- Airflow Indicator 021-14-00R01

231-01-30U Includes:
All components of the 231-01-30 except nylon belt replaced with easy clean vinyl belt GVP-117.

AMH-12U Kit

AMH-12U

AMH-12U Includes:
- Air-Mate™ PAPR Assembly 231-01-30U
- Head Cover BE-12-3, Regular, White
- Smart Battery Charger 520-03-73
- External Charging Adapter 520-04-24
- Breathing Tube BE-224
- Breathing Tube Cover W-3228-10
- Storage Bag

Battery Charger

520-03-73
Single Battery Charger

520-03-72
Five Battery Charger

520-01-61
Ten Battery Charger

520-04-24
External Battery Charger Assembly

3M™ Breathe Easy™ Belt-Mounted System with NiMH BP-15 Battery – Product Matrix

Headgear

6700 DIN (S)
6800 DIN (M)
6900 DIN (L)

BE-12-3 White Reg
BE-12-50 White Reg
BE 12L-3 White Lg
BE-12L-50 White Lg

BE-12B-3 Blue Reg
BE 12B-50 Blue Reg
BE-12LB-3 Blue Lg
BE-12LB-50 Blue Lg

BE-10BR
Hood Butyl
Rubber**

BE-10-3 White Reg
BE-10-20 White Reg
BE-10L-3 White Lg

M-105 37314

M-305

M-405

M-107

M-307

M-407

S-103S
S-103L

S-133S
S-133L

S-133SB
S-133LB

S-403S
S-403L

S-433S/S-433L
S-533S/S-533L

S-855

S-857

Breathing Tube

520-01-77

520-03-32R01
(Standard, 33")

520-01-00R01
(Standard, 36")
520-02-94R01
(Optional, 25")

BE-324

Turbo PAPR Assembly

Breathe Easy™ Turbo PAPR Assembly
520-15-00

022-00-03R01

520-02-90R01

520-01-21
Flow Indicator

BP-15
NiMH Battery

BC-210 Charger

Cartridges/Filters/Canisters

Cartridges

HE (P3)	450-00-01R12	AG/FORM/HE (EP3)	453-01-01R06	[1] Chlorine, hydrogen chloride and sulfur dioxide.
OV/HE (AP3)	453-00-01R06	AMM[2]/HE (KP3)	453-02-01R06	[2] Ammonia/methylamine.
OV/AG[1]/HE (AEP3)	453-03-01R06	FR-40***	453-03-03R06	[3] Sulfur dioxide.
OV/AG[3]/HF/HE (ALP3)	453-07-01R06	FR-57*	453-03-02R06	

Footnotes:

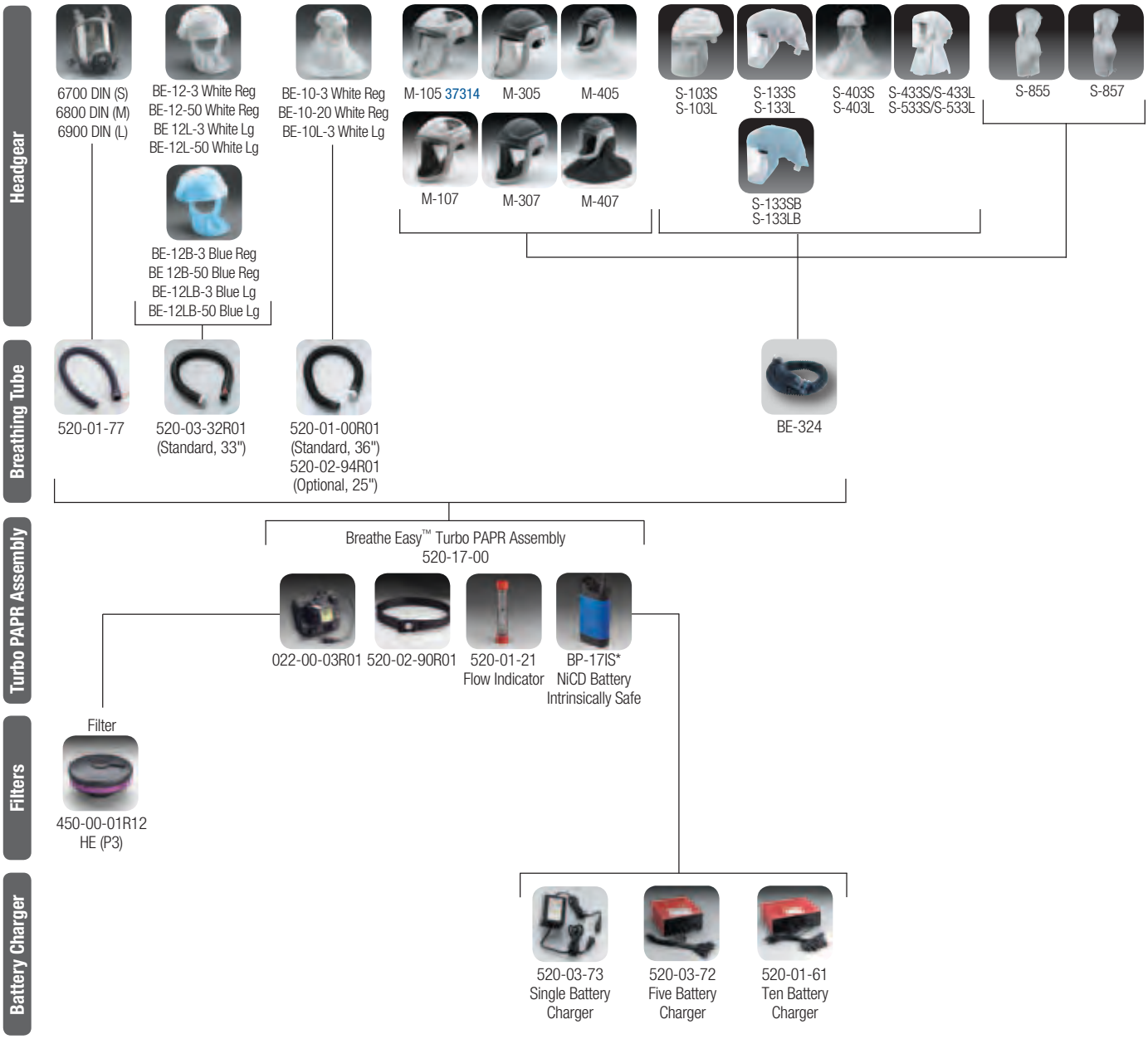
* FR-57 Approved with BE-10 Series and 6000 Series ONLY

** Butyl Rubber Hood Approved with FR-57, AP3 and AEP3 ONLY

*** FR-40 Approved with 6000 Series ONLY

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Breathe Easy™ Belt-Mounted PAPR System with BP-17IS NiCD Battery (Intrinsically Safe)* – Product Matrix

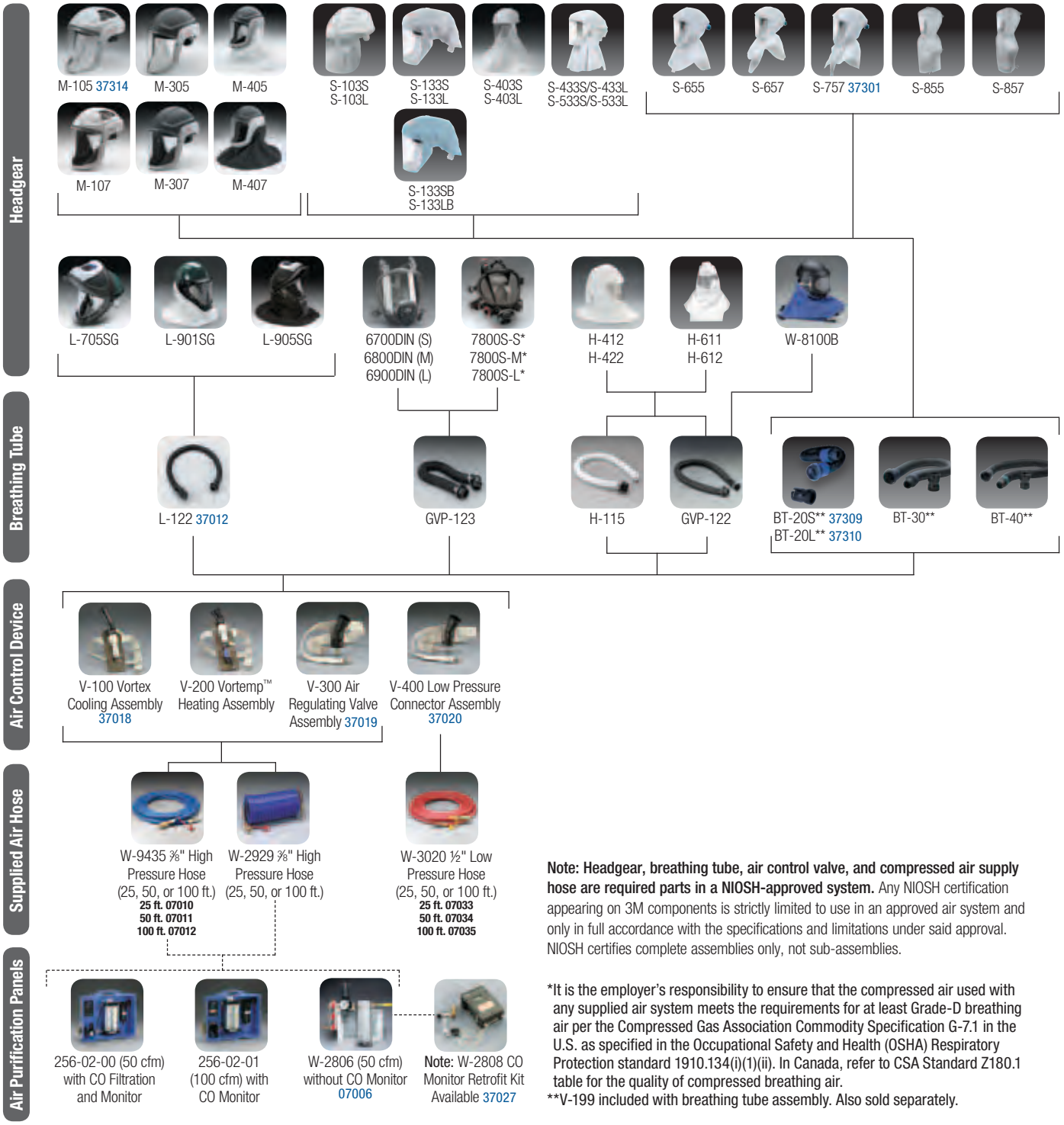


Footnotes:

* The Breathe Easy™ Turbo PAPR with BP-17IS battery pack has been tested and classified for intrinsic safety ("Exia") by Underwriters Laboratory (UL 913 5th Edition). See User Instructions for details.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Versaflo™ V-Series
Supplied Air* Valves – Product Matrix



Note: Headgear, breathing tube, air control valve, and compressed air supply hose are required parts in a NIOSH-approved system. Any NIOSH certification appearing on 3M components is strictly limited to use in an approved air system and only in full accordance with the specifications and limitations under said approval. NIOSH certifies complete assemblies only, not sub-assemblies.

*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1 in the U.S. as specified in the Occupational Safety and Health (OSHA) Respiratory Protection standard 1910.134(i)(1)(ii). In Canada, refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

**V-199 included with breathing tube assembly. Also sold separately.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ GVP-Series Belt-Mounted Powered Air Purifying Respirators – Product Matrix

Headgear

M-105 37314

M-305

M-405

M-107

M-307

M-407

S-103S
S-103L

S-133S
S-133L

S-403S
S-403L

S-433S/S-433L
S-533S/S-533L

S-133SB
S-133LB

S-655

S-657

S-757 37301

S-855

S-857

L-705SG

L-901SG

L-905SG

6700DIN (S)
6800DIN (M)
6900DIN (L)

7800S-S*
7800S-M*
7800S-L*

H-412
H-422

H-611
H-612

Breathing Tube

L-122 37012

GVP-123

H-115

GVP-122

BT-20S** 37309
BT-20L** 37310

BT-30**

BT-40**

GVP Assembly

GVP-1 NiCD* ** Includes all components

GVP-100	Motor Blower
GVP-113	Flow Indicator
L-181	Flow Indicator Adapter
GVP-115	Blower Plugs
GVP-127	Web Belt
GVP-110	Power Cord
GVP-111	Battery Pack
GVP-112	Battery Charger

GVP-1 NiMH Includes all components

GVP-100	Motor Blower
GVP-113	Flow Indicator
L-181	Flow Indicator Adapter
GVP-115	Blower Plugs
GVP-127	Web Belt
GVP-210	Power Cord
BP-15	Battery Pack
BC-210	Smart Battery Charger

GVP-CB Includes all components of GVP-1, except GVP-127 Web Belt is replaced with CB-1000 Comfort Belt.

Cartridges

GVP-401	Organic Vapor Cartridge	GVP-440	HEPA Filter
GVP-402	Acid Gas[1] Cartridge	GVP-441	Organic Vapor/HE Cartridge
GVP-403	Organic Vapor, Acid Gas[2] Cartridge	GVP-442	Acid Gas[1]/HE Cartridge
		GVP-443	Organic Vapor, Acid Gas[2]/HEPA Cartridge
GVP-404	Ammonia Cartridge	GVP-444	Ammonia/HE Cartridge
GVP-405	Formaldehyde Cartridge	GVP-445	Formaldehyde/HE Cartridge

Paint Spray Kit
GVP-PSK2 L-122 37335

GVP-PSK2 includes all components of GVP-CB and:

GVP-441	Organic Vapor/ HEPA Cartridge
GVP-119	Shower Cover
BT-20L	Breathing Tube
BT-922	Breathing Tube Cover
M-101	Respiratory Faceshield
M-925	Visor
M-936	Comfort Faceseal

*Clip-on Welding Shield also available.
**V-199 included with breathing tube assembly. Also sold separately.
***3M GVP-100 motor blower, 3M GVP-110 power cord and 3M GVP-111 battery pack combination has been tested and classified by Underwriters Laboratory (UL 913 5th Edition) for intrinsic safety: See User Instructions for additional information.

OV = NIOSH approval: Certain organic vapors.
AG[1] = NIOSH approval: Chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide or hydrogen fluoride.
AG[2] = NIOSH approval: Chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen fluoride and hydrogen sulfide.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Versaflo™ TR-Series Powered Air Purifying Respirators (PAPRS)* – Product Matrix

Headgear

M-105 37314 M-305 M-405

M-107 M-307 M-407

S-103S S-103L S-133S S-133L S-403S S-403L S-433S/S-433L S-533S/S-533L

S-133SB S-133LB

S-655 S-657 S-757 37301 S-855 S-857

Breathing Tube

BT-20S 37309 BT-20L 37310 BT-30 BT-40

Assemblies

TR-302N

Filters

TR-3710N-5 TR-3710N-40

Batteries

TR-330 TR-332

Belts and Backpacks

BPK-01 TR-325 TR-326 TR-327

Battery Chargers

TR-341N TR-344N

TR-304N PAPR with Easy Clean Belt and Economy Battery

TR-305N PAPR with Standard Belt and Economy Battery

TR-306N PAPR with High Durability Belt and High Capacity Battery

TR-307N PAPR with Easy Clean Belt and High Capacity Battery

Included	TR-304N	TR-305N	TR-306N	TR-307N
TR-302N PAPR Unit	x	x	x	x
TR-3701N HE Filter	x	x	x	x
TR-341N Battery Charger Kit	x	x	x	x
TR-325 Standard Web Belt		x		
TR-326 High Durability Leather Belt			x	
TR-327 Easy Clean Urethane Belt	x			x
TR-330 Economy Battery	x	x		
TR-332 High Capacity Battery			x	x
TR-3600 Prefilter	x	x		x
TR-362 Spark Arrester/Prefilter			x	

Additional 3M™ Headgear Options

H-Series Hoods

H-412 Hood with Hard Hat and Inner Collar

H-422 Hood with Hard Hat and Inner Shroud

H-612 Sealed Seam Hood with Hard Hat and Inner Collar

L-Series Headgear

L-705SG Hard Hat with Speedglas™ Welding Shield and Wideview Faceshield

L-901SG Helmet with Wideview Faceshield and Shroud

L-905SG Helmet with Speedglas™ Welding Shield, Wideview Faceshield and Shroud

*Operating Altitude approx. sea level to 2,600 ft. (800m). For altitudes above 2,600 ft., contact 3M.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Breathe Easy™ Belt-Mounted PAPR System – Product Matrix For First Responder Systems

Headgear

6000 Series

6700 DIN (S)
6800 DIN (M)
6900 DIN (L)

Hoods
BE-10 Series

Butyl Rubber
BE-10BR

Standard
BE-10-3 White Reg
BE-10-20 White Reg
BE-10L-3 White Lg

Breathing Tube

520-01-77

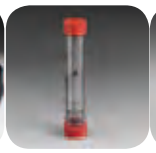
520-01-00R01
(Standard, 36")
520-02-94R01
(Optional, 25")

Turbo PAPR Assembly

Non-Rechargeable

022-00-03R01

520-02-90R01



520-01-21
Flow Indicator

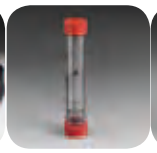
520-04-57R01
Lithium
Non-rechargeable

RRPAS Bag
361-35-00R01

Rechargeable

022-00-03R01

520-02-90R01



520-01-21
Flow Indicator

BP-15
NiMH Battery

Cartridges/Filters/Canisters

Cartridges

OV/HE (AP3)	453-00-01R06
OV/AG[1]/HE (AEP3)	453-03-01R06
FR-40*	453-03-03R06
FR-57	453-03-02R06

[1]Chlorine, hydrogen chloride and sulfur dioxide.

Systems

First Responder Systems
6000 RRPAS Systems

FR-40L68(9) Lithium Battery, FR-40 cartridge, 6800DIN (6900DIN)
FR-57L68(9) Lithium Battery, FR-57 cartridge, 6800DIN (6900DIN)
FR-40N68(9) BP-15 Battery, FR-40 cartridge, 6800DIN (6900DIN)
FR-57N68(9) BP-15 Battery, FR-57 cartridge, 6800DIN (6900DIN)

Footnotes: *FR-40 Approved with 6000 Series ONLY

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Supplied Air Respirators*
Product Matrix

Facepieces

7800S-S**
7800S-M**
7800S-L**
Full Facepiece

6700 (S) 07138
6800 (M) 07139
6900 (L) 07140
Full Facepiece

FF-401 (S) 89418
FF-402 (M) 89421
FF-403 (L) 89424
Full Facepiece

6700DIN (S)
6800DIN (M)
6900DIN (L)
Full Facepiece

7501 (S)
7502 (M)
7503 (L)
Half Facepiece

6100 (S) 07024
6200 (M) 07025
6300 (L) 07026
Half Facepiece

Adapter Kits

Standard Kits

Back-Mounted
Adapter Kits
SA-2000 (High Pressure)
SA-2000LP (Low Pressure)

Front-Mounted
Adapter Kits
SA-1000 (High Pressure)
SA-1000LP (Low Pressure)

Combination Kits

Combination Back-
Mounted Adapter Kits
SA-2100 (High Pressure)
SA-2100LP (Low Pressure)

Combination Front-
Mounted Adapter Kits
SA-1100 (High Pressure)
SA-1100LP (Low Pressure)

Supplied Air Hose

W-9435
⅜" High
Pressure Hose
(25, 50, or 100 ft.)
25 ft. 07010
50 ft. 07011
100 ft. 07012

W-2929
⅜" High
Pressure Hose
(25, 50, or 100 ft.)

W-3020
½" Low
Pressure Hose
(25, 50, or 100 ft.)
25 ft. 07033
50 ft. 07034
100 ft. 07035

Air Purification Panels

256-02-00
(50 cfm) with
CO Filtration
and Monitor

256-02-01
(100 cfm) with
CO Monitor

W-2806
(50 cfm) without
CO Monitor
07006

Note: W-2808
CO Monitor
Retrofit Kit
Available
37027

Note: Headgear, breathing tube, air control valve, and compressed air supply hose are required parts in a NIOSH-approved system. Any NIOSH certification appearing on 3M components is strictly limited to use in an approved air system and only in full accordance with the specifications and limitations under said approval. NIOSH certifies complete assemblies only, not sub-assemblies.

* It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1 in the U.S. as specified in the Occupational Safety and Health (OSHA) Respiratory Protection standard 1910.134(i)(1)(ii). In Canada, refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

** Clip-on 3M™ Welding Shield also available.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Full Facepiece Respirators for Powered Air and Supplied Air* – Product Matrix

Headgear	 FF-401 (S) 89418 FF-402 (M) 89421 FF-403 (L) 89424	 6700 (S) 07138 6800 (M) 07139 6900 (L) 07140	 6700DIN (S) 6800DIN (M) 6900DIN (L)	 7800S-S** 7800S-M** 7800S-L**
Powered Air Purifying			 Powerflow™ Face-Mounted PAPR GVP PAPR Breathe Easy™ PAPR	 GVP PAPR
Supplied Air	 Dual Airline Supplied Air	 Dual Airline Supplied Air	 Dual Airline Supplied Air Supplied Air	 Dual Airline Supplied Air Supplied Air

*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1 in the U.S. as specified in the Occupational Safety and Health (OSHA) Respiratory Protection standard 1910.134(i)(1)(ii). In Canada, refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

**Clip-on 3M™ Welding Shield also available.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

⚠WARNING

Respiratory Products (see pages 4-26, 57 and 60-63)

These respirators help protect against certain airborne contaminants. Before use, the wearer must read and understand the *User Instructions* provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. **Misuse may result in sickness or death.** For proper use, see packaging instructions, supervisor, or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.

⚠WARNING

Fall Protection Products (see pages 27-33)

Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest. Users must read and understand the User Instructions provided with the product, and be properly trained by their employer prior to use per OSHA 29 CFR 1910.66 and 1926.503 or applicable local standards. Misuse or failure to follow warnings and instructions may result in serious personal injury or death. For proper use, see Supervisor, *User Instructions*, or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.

⚠WARNING

Hearing Protection Products* (see pages 34-40)

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, *User Instructions*, or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.

Choking Hazard—Keep away from infants and small children. These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, *User Instructions*, or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.

⚠WARNING

Environmental Monitors (see page 41)

This product monitors for the presence and concentration level of certain specified airborne gases, vapors, and particulates (dependent on model). The EVM Series of Environmental Monitors are NOT for use in Explosive or Hazardous locations. This equipment must be operated and serviced by qualified personnel. Read and understand the User Manual, which can be found 3M.com/detection, before operating or servicing. Misuse or failure to follow warnings and instructions may result in erroneous readings. For proper use, see supervisor or *User Instructions*, or call 3M Quest Technologies at 1-800-245-0779.

These instruments help monitor for the presence and concentration level of certain specified airborne gases. Misuse may produce an inaccurate reading which means that higher levels of the gas being monitored may be present and could result in overexposure and cause sickness or death. For instruments with an oxygen sensor installed, misuse may produce an inaccurate reading where lower or higher levels of oxygen may be present and cause sickness or death. Each person using this equipment must read and understand the information in the *User Instructions* before use. Use of this equipment by untrained or unqualified persons, or use that is not in accordance with the User Instructions, may adversely affect product performance and result in sickness or death. For proper use, see supervisor or *User Instructions*, or call 3M Quest Technologies at 1-800-245-0779.

⚠WARNING

Eye and Face Products (see pages 42-49)

These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and *User Instructions* may result in serious potential injury, including blindness or death.** For proper use, selection, and applications against flying particles, optical radiation and/or splash, see supervisor, read *User Instructions* and warnings on the package or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.

⚠WARNING

Hard Hats (see pages 50-51)

3M™ H-700 Series Hard Hat provides limited protection only. **Misuse or failure to follow warnings and *User Instructions* may result in serious personal injury or death.** For proper use, see Supervisor, *User Instructions*, or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.

⚠WARNING

Protective Coveralls (see pages 52-54)

These protective coveralls help protect against certain liquid splashes and hazardous dusts. Before use wearer must read and understand the *User Instructions* provided as part of the product packaging. **Failure to follow all instructions on the use of these protective clothing products and/or failure to wear the complete product during all periods of exposure may adversely affect the wearer's health, or lead to severe or life threatening illness or permanent disability**. Final determination as to the suitability of these products for a particular situation is the employer's responsibility. For proper use and selection see Supervisor, *User Instructions* or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.

⚠WARNING

Welding Helmets (see pages 55-59)

This product is designed to help protect the wearer's eyes and face from harmful radiation including visible light, ultra-violet radiation (UV), infra-red radiation (IR), sparks and spatter resulting from welding processes. These products must be used only by qualified persons who are properly trained in their use and maintenance. **Misuse may result in permanent eye injury and vision loss.** Always wear ANSI Z87.1 compliant safety spectacles in addition to any welding helmet. For proper use, see supervisor, or *User Instructions* or call 3M OH&ESD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.

Visit our website to find more information on:

- Training and Tools
- Tech Bulletins
- Where to Buy
- MSDS
- What's New
- Subscribe to our safety newsletter and much more!

3M.com/PPESafety

NRR footnote:

*Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in earplug fit and wearing time. It is recommended that the NRR be reduced by 50% for estimating the average amount of noise reduction provided.

3M.com/PPESafety

Products
Training
Services

For More Information

In U.S.

Technical Assistance	800-243-4630
Customer Care Center	800-328-1667

3M.com/PPESafety or m.3M.com/PPESafety

In Canada

Technical Assistance	800-267-4414
Customer Care	800-364-3577

3M.ca/PPESafety

3M

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